Celebrating 25 Years of RCMI

PROGRAM SYLLABUS

12th RCMI International Symposium on Health Disparities
December 6-9, 2010 :: Nashville, Tennessee :: www.rcmibiennial.org

Supported and funded by the Research Centers in Minority Institutions Program, Division of Research Infrastructure, National Center for Research Resources, National Institutes of Health, Department of Health and Human Services

Hosted by the RCMI Programs at Meharry Medical College, Morehouse School of Medicine, and Tuskegee University.
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Funding for this conference was made possible, in part, by U13 RR028291 from National Center for Research Resources at the National Institutes of Health to the Meharry Medical College. The views expressed in written conference materials or publications and by speakers and the moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention by trade names, commercial practices, or organizations imply endorsements by the U.S. Government.
Welcome from the Governor

Dear Friends:

On behalf of the great State of Tennessee, I am pleased to extend a warm welcome to the participants and guests of the 12th Research Centers in Minority Institutions International Symposium on Health Disparities on December 6-9, 2010.

I hope this time provides you with ample opportunity to meet with friends and colleagues while making new acquaintances. May you find encouragement as you listen to speakers, participate in sessions, and interact with others in the field. Rest assured that the work you appreciate by our state, and nation. If you have the chance, take time to enjoy Nashville and all it has to offer.

I sincerely hope you will accept this welcome, and I wish all participants and guests a great success.

Warmest regards,

Phil Bredesen

State Capitol, Nashville, Tennessee 37243-0001
Telephone No. (615) 741-2001
December 6, 2010

Dear friends:

I am happy to welcome you to our great city as you come together for the Research Centers in Minority Institutions International Symposium on Health Disparities. We are pleased that you chose Nashville to host such an important conference. Your efforts to understand the dynamics contributing to health disparities and work to improve health disparities by sharing health related research is commendable.

While in Music City, I encourage you to visit our city’s many landmarks such as the Frist Center for the Visual Arts, the Country Music Hall of Fame, and historical sites such as the Hermitage (home of President Andrew Jackson), Fort Nashborough and Fort Negley. In addition, please consider visiting the Parthenon, one of our most beloved icons, located in beautiful Centennial Park.

It is my sincere wish that your visit is a great success. I am certain that you will witness firsthand the southern hospitality and friendliness that our city is famous for. Thank you for choosing Nashville. We hope to see you back in years to come.

Regards,

Karl F. Dean
Mayor
November 1, 2010

Dear Conference Attendees:

The focus of this year’s RCMI International Symposium on Health Disparities will be on bringing “new minds” and “new methods” to the effort to bridge the gap between disparity and equity. What are some of the new aspects of this symposium?

One example is the training workshop on Technology Transfer: Models of Collaboration and Commercialization. The conference organizers know well that the RCMI institutions must engage in public-private partnerships to be sure that the treatments and devices being developed are ones that will benefit their communities. This will require participation of communities and their health care providers in many, if not all aspects of product development, including conceptualization, enrollment in clinical trials, ensuring access at an affordable cost, and finally, actual utilization for improved health.

The disease areas are well represented, as they should be; however, I find excitement in considering the presentations on informatics and bioinformatics, which are excellent tools that will greatly enhance the ability of investigators to recruit patients to clinical trials, to analyze data, and to provide information to the public. The richness of records, such as Medicaid claims data, to inform our research in achieving health equity will be presented as well. On Thursday you will learn about the efforts in Massachusetts to address health disparities. There will be additional sessions on making a bridge between science and public policy.

Now, more than ever, new minds and new methods are critical in developing and implementing solutions to address national and international health needs. We must work as interdisciplinary teams, utilizing all available partnerships and tools at our disposal. We must be scientists, practitioners, and policy makers. Our work will never be done, but we can make substantial progress!

Carry on!

Barbara Alving, M.D.
Director
National Center for Research Resources
National Institutes of Health
Dear Conference Participants:

It is my pleasure and honor to extend greetings to the participants in the Research Centers in Minority Institutions (RCMI) 12th International Symposium on Health Disparities, hosted by Meharry Medical College. I am delighted to share in this occasion as you meet and discuss effective solutions to eliminate the disparities in health status facing our communities.

The theme of the symposium Bridging the Gap between Disparity and Equity: New Minds, New Methods is indeed fitting and timely. Despite the steady improvements in overall health, as well as increased awareness of the causality of disparities, health inequities still persist for racial and ethnic minorities and the poor. Much still needs to be done to engage all of the stakeholders necessary to translate research into evidence-based models that will improve health outcomes. This symposium provides the perfect forum for bringing together members of the community, researchers, health care providers, and health policy makers to forge collaborations and partnerships that will ultimately lead to improved health outcomes for every member of our society.

In concert with the symposium, the RCMI program is celebrating its 25th anniversary. Since 1985 the mission of the RCMI Program has been to expand the nation's capacity for research in the health sciences. Over the course of twenty-five years, the National Center for Research Resources has funded 21 academic institutions, including 10 graduate schools, 7 medical schools, 3 schools of pharmacy, and 1 school of veterinary medicine via the RCMI Program. The appropriation for the program has increased from $4.7 million in fiscal year (FY) 1985 to approximately $59 million in FY 2010. The research highlighted in this symposium exemplifies the excellence of the investigators and the RCMI program's continuing commitment to basic science, translational medicine, and community partnered research necessary for understanding and eradicating health disparities.

Finally, I would like to take this opportunity to personally thank each and every one of you for your efforts in making this symposium a success. I extend special thanks to the Principal Investigator of the conference grant that made this meeting possible, Dr. Valerie Montgomery-Rice, to the members of the local and national organizing committee, as well as the entire Meharry Medical College family.

Together, we can, we must, and we will make a difference.

Sidney A. McNaury, Jr., Ph.D., D.Sc.
Associate Director, National Center for Research Resources (NCRR) and
Director, Division of Research Infrastructure, NCRR
Dear Conference Participants:

I am delighted to welcome to Tuskegee University the organizers, sponsors, speakers and participants for the 12th Annual Symposium on Health Disparities. The degree of ethnic disparity with respect to the incidence of an array of diseases, as well as their diagnosis, therapeutic and prognosis, has been widely observed in the literature. The investigation of the specific etiology and manifestations of such disparities, genetic predispositions, vulnerabilities associated with poverty, malnutrition and/or proximity to environmental hazards, all still require increased research allocations.

This distinguished assembly offers testimony to the fact that dedicated scholars persist in the quest to alleviate the human suffering of a people already victimized by historic exploitation and deprivation, notwithstanding the inadequacy of available research funding to address and redress such health disparities.

Tuskegee University has a long tradition of focusing on the basic human needs of the African-American population, when such needs were largely ignored by elite societal segments. In continuation of that venerable tradition and as an indication of our commitment to provide an institutional focal point for interdisciplinary research addressing this crucial issue, Tuskegee University is launching the Health Disparities Institute for Research and Education (HDIRE). It is our hope that through this mechanism we will amplify our capacity to more effectively engage with external research collaborators and to more aggressively seek the requisite support for these research initiatives.

Sincerely,

Gilbert L. Rochon, Ph.D., MPH
President & University Professor
November 2010

Greetings Participants,

Morehouse School of Medicine joins our sister host institutions, Meharry Medical College and Tuskegee University, in welcoming you to Nashville for the 12th RCMII International Symposium on Health Disparities, celebrating the 25th RCMII Anniversary. We thank you for your participation in this international symposium and applaud you and your institution for your relentless efforts to enhance the research capacity and infrastructure at your colleges and universities.

Various committees convened over the past fourteen months to develop and deliver an exceptional program that highlights the significant contributions of RCMII member institutions to augment and strengthen institutional research capabilities.

The scientific program presented during this symposium will aid our institutions, students, scientists, and faculty to:

1. Lead research addressing health disparities while promoting the development of well-trained clinical, basic and population science researchers; and
2. Focus on diseases that disproportionately affect the populations served by RCMII institutions.

We believe this gathering of “new minds and new methods” will enable institutions and the RCMII program to facilitate further development of research capacity.

In addition to providing clinical and scientific information, the symposium, and the much-needed RCMII program, will address the following topics:

- Competing for federal funds that enhance the probability of success.
- Technological instruments for analyzing and managing clinical research data, recruiting for clinical trials, and sharing information with patients.
- Building collaboration within the RCMII member institution community, and the scientific and academic community in general.

We welcome and thank you for coming! Enjoy Nashville and best wishes for a successful educational experience.

Sincerely,

John F. Maupin, Jr., D.U.S., MBA
President

Sandra Harris-Hoster, Ph.D.
Dean for Academic Affairs
Sr. Vice President and Associate Dean
for Research Affairs

Morehouse School of Medicine
Office of the President
December 6, 2010

Dear Scientists and Friends,

It is with great pleasure that I welcome you to the 12th Research Centers in Minority Institutions (RCMI) International Symposium on Health Disparities.

The National Center for Research Resources (NCRR) RCMI program enhances the research capacity and infrastructure at predominately minority colleges and universities that offer doctorates in health sciences, such as Meharry Medical College, Morehouse School of Medicine and Tuskegee University. As many investigators at RCMI institutions study diseases that disproportionately affect minorities, the program serves the dual purpose of bringing more minority scientists into mainstream research and enhancing studies of minority health.

This year’s symposium, “Bridging the Gap between Disparity and Equity: New Minds – New Methods,” is designed to give investigators an opportunity to share research information in areas related to cardiovascular disease, diabetes and obesity, cancer, women’s health, mental health, infectious disease, stroke and behavioral and social health. As the nation moves forward, under a new health care system, it is now even more essential for the medical community to understand the need for focused research that will lead to specialized treatments and cures for a population that has historically been overlooked.

This symposium offers an extraordinary opportunity for investigators around the world to come together to learn about the ground-breaking research of colleagues and share their own expertise. It is a collaboration which can only result in a stronger and more informed research community united in working toward the same goal: elimination of health disparities.

It is humbling to be in the presence of some of the nation’s most brilliant scientists. I invite all of you to learn from each other, discovering new ways to enhance our collective research capacity.

Sincerely,

Wayne J. Riley, M.D., MPH, MBA, MACP
President & Chief Executive Officer

1005 Dr. B. Todd Jr. Boulevard
Nashville, Tennessee 37208-3599
T: 615.327.6904 F: 615.327.6540 I www.mmc.edu
On behalf of the 12th Research Centers in Minority Institutions (RCMI) International Symposium on Health Disparities planning committee and host institutions-Meharry Medical College, the Morehouse School of Medicine, and Tuskegee University, I am pleased to welcome you to this symposium entitled "Bridging the Gap between Disparity and Equity: New Minds – New Methods".

Established by Congress in 1985, the RCMI program develops and enhances the research infrastructure in minority institutions by expanding the human and physical resources for conducting biomedical research. Much of the research highlighted in this 25th RCMI symposium emanated from the 18 institutions that are currently funded via the RCMI program, and will recognize the 25th anniversary.

Designed to bring together scientists conducting pre-clinical, clinical, translational and health policy research; members of the local community; health care providers; government officials; and private industry, this symposium will focus on the collective efforts for the promotion and achievement of health equity through research, training, and education.

Over the next four days, the symposium will feature oral and poster presentations on topics such as cardiovascular disease, diabetes and obesity, cancer, women’s health, mental health, infectious disease, stroke, and behavioral and social health. The program agenda also includes pre-symposium workshops on topics such as grantmanship, mentoring, and career development. Additional workshops during the symposium will focus on technology transfer, community partnered research, and the important role of informatics in the research environment.

Our special activities include recognition of our Greenwood Award Recipient and Lecturer, a community activity engaging nearly two hundred local high school students and faculty, and a special presentation acknowledging the 25th anniversary of the RCMI program. We are particularly pleased to present the debut of “Biomedical Faces of Sciences” (BFOS) at the Adventure Science Center. BFOS is an interactive exhibit designed to motivate middle and high school students to pursue careers in the biomedical sciences that can lead to a better understanding of diseases and ultimately their prevention and/or cure. Through the BFOS program, students will learn how they can become “health messengers” to improve health outcomes and ultimately, eliminate health disparities in their communities.

We are honored by the many speakers who will participate in this program. Further, we thank our sponsor, the National Center for Research Resources (NCRR) Division of Research Infrastructure, at the National Institutes of Health for their continued support of this opportunity for intellectual exchange and collaborative interactions within and beyond the RCMI Institutions.

As conference chair, I want to expressly thank our planning, abstract, and research pipeline committee members for their valuable contributions and commitments of time and expertise to make this a successful symposium. Creating an educational activity for nearly 600 attendees and almost as many poster submissions is a considerable charge toward which much commitment was required. I congratulate you on your commitment and thank you for your investment.

Enjoy Nashville-The Music City. Take some time to breathe while you are here; to make new friends and renew old relationships. In the name of moving our efforts forward and embracing the importance of utilizing ‘new minds’, I encourage you to make a commitment to implement new methods.

For the Committee,

Valerie Montgomery Rice, MD
Professor, Obstetrics and Gynecology
Executive Director, Center for Women’s Health Research
Principal Investigator, RCMI Conference Grant
Meharry Medical College
Scientific Agenda
The 12th RCMI International Symposium on Health Disparities will feature lectures by individuals who have made several contributions to improving healthcare access and to empower vulnerable populations and marginalized communities.

Scientific sessions will consist of lecture and oral poster presentations on the environmental, cultural, socioeconomic, biobehavioral, and genetic bases of health disparities in alternative medicine, biomedical informatics, cancer, cardiovascular disease, environmental toxicology, HIV and AIDS, infectious disease (Non-HIV/AIDS), neurologic and neuropsychiatric disorders, reproductive health, obesity and metabolic syndrome, and oral disease-systematic disease. Also workshops offerings will provide attendees with scientific- and career-enhancing skills.

Educational Objectives
At the completion of this activity, participants should be able to:

• integrate scientific discovery and health policy objectives that contribute to measurable and sustained improvements in health equity among the populations carrying the burden of health disparities;

• interpret a fundamental understanding of health disparities; communicating and describing how the gap between health equity and disparity can be bridged using new innovative approaches; and

• assess the impact of social determinants on health disparities as well as recognize the potential limitations of scientific discovery in the elimination of health disparities.

Disclosure Statement
Morehouse School of Medicine, in accordance with ACCME guidelines requires instructors, planners, managers and other individuals who are in a position to control the content of this activity to disclose any real or apparent conflict of interest they may have as related to the content of this activity. All identified conflicts of interest are thoroughly vetted by MSM for fair balance, scientific objectivity of studies mentioned in the materials or used as the basis for content, and the appropriateness of patient care recommendations.

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Valerie Montgomery Rice
Principal Investigator
Meharry Medical College

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Margaret Hargreaves 3,5
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Meharry Medical College
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Paul Juarez 4
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Bindong Liu 1,3
Meharry Medical College
Dana Marshall 4
Meharry Medical College
Diana Marver 1,3,5
Meharry Medical College
Lisa McDonald McGee 4
Meharry Medical College
Pratibha Nerurkar 1
University of Hawaii at Manoa

Designation of Hours
The Morehouse School of Medicine designates this educational activity for a maximum of 21 AMA PRA Category 1 credit ™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
Venues
Renaissance Nashville Hotel
611 Commerce Street
Nashville, Tennessee 37203
Phone: 615.255.8400
Fax: 615.255.8202
Toll-free: 800.327.6618

Nashville Convention Center
601 Commerce Street
Nashville, Tennessee 37203
Phone: 615.752.2000

Registration Schedule
Location: NCC 3rd Floor Foyer
Monday, Dec. 6 ............... 6:30 AM - 6:00 PM
Tuesday, Dec. 7 ............. 6:30 AM - 3:00 PM
Wednesday, Dec. 8 .......... 6:30 AM - 3:00 PM
Thursday, Dec. 9 .......... 6:30 AM - 1:30 PM

Exhibition / Poster Schedule *
Location: NCC Exhibit Hall West
Tuesday, Dec. 7 ............... 8:00 AM - 6:30 PM
Wednesday, Dec. 8 ........... 8:00 AM - 6:00 PM
Thursday, Dec. 9 .......... 8:00 AM - 5:30 PM

* Additional networking opportunities available during all session breaks.

Badges
Identification badges will be provided to all registered participants, speakers, and special guests upon check-in and are required to participate in all conference activities. A $50 replacement / reprint fee will be assessed for all lost badges.

Speaker Ready Hours
Location: NCC 202/203
Monday, Dec. 6 ............... 7:30 AM - 4:00 PM
Tuesday, Dec. 7 ............. 7:30 AM - 1:30 PM
Wednesday, Dec. 8 .......... 7:00 AM - 6:00 PM
Thursday, Dec. 9 .......... 7:00 AM - 1:30 PM

Session Recording
Participants are asked to refrain from video or audio taping during sessions. Select video, audio, and PowerPoint presentations will be made available as approved by authors at the close of the meeting. Visit www.rcmibiennial.org for more information.

Sponsor
The National Center for Research Resources (NCRR) Research Centers in Minority Institutions (RCMI) program enhances the research capacity and infrastructure in minority colleges and universities that offer doctorates in health sciences. Because many investigators at RCMI institutions study diseases that disproportionately affect minorities, the program serves the dual purpose of bringing more minority scientists into mainstream research and enhancing studies of minority health.

RCMI support is provided by the NCRR Division of Research Infrastructure, a component of the National Institutes of Health. It provides funding to recruit established and promising researchers, acquire advanced instrumentation, renovate laboratories for competitive research, fund core research facilities, and other research support.

This activity is hosted by the RCMI Programs at Meharry Medical College, Morehouse School of Medicine, and Tuskegee University.

Supporters
- Discovery Channel provided in-kind donations for the Community Engagement / Research Pipeline Program
- GE Healthcare provided supplemental funding and in-kind donations for the Community Engagement / Research Pipeline Program
- State of Tennessee Health Alliance provided supplemental funding for the Community Engagement / Research Pipeline Program
- State of Tennessee HBCU Wellness Project at Meharry Medical College provided supplemental funding for the Community Engagement / Research Pipeline Program

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Tuskegee University
Sharon Turner-Friley 4
Meharry Medical College
Charlotte Woods 4
Meharry Medical College
Letha Woods 3
Meharry Medical College
Hua Xie 5
Meharry Medical College
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Ponce School of Medicine
Richard Yanagihara 5
University of Hawaii at Manoa
Teshome Yehualaeshe1
Tuskegee University
Roger Zoorob 3
Meharry Medical College
1 Abstract Sub-Committee
2 Award Sub-Committee
3 Committee-at-Large
4 Research Pipeline Sub-Committee
5 Speaker Selection Sub-Committee

Speaker Selection Sub-Committee
Research Pipeline Sub-Committee
Committee-at-Large
Award Sub-Committee
Abstract Sub-Committee

Bridging the Gap between Disparity & Equity — NEW MINDS • NEW METHODS

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### PROGRAM AT-A-GLANCE

**MONDAY, DECEMBER 6, 2010**

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<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:30 AM - 1:00 PM</td>
<td>RCMI Principal Investigators and Program Directors Meeting †  – Location: NCC 208 - p. 21</td>
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<tr>
<td>7:30 AM - 3:00 PM</td>
<td>RCMI Program Managers / Program Coordinators Meeting and Workshop (Part I) †  – Location: NCC 210 - p. 21</td>
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<tr>
<td>9:30 AM - 1:30 PM</td>
<td>Training Workshop I - The ‘New’ Basics of Grantmanship – Location: NCC 206 - p. 22</td>
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<td></td>
<td>This session focuses on preparation of a strong grant application. All investigators – new applicants and experienced NIH grant applicants – are encouraged to attend this tutorial on the preparation of a successful research grant application as the applicant format, process, review procedures, and emphasis has changed.</td>
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<td>12:00 PM - 1:15 PM</td>
<td>Lunch (On your own)</td>
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<td>The purpose of this workshop is to provide participants information about the unwritten rules of academia needed for success with advice provided from minority faculty who successfully ascended the academic ladder at two large institutions. Each presenter will highlight the importance of a timely and carefully prepared dossier with a chronological listing of accomplishments that are generally evaluated by employers within and outside academia.</td>
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<tr>
<td>1:15 PM - 4:00 PM</td>
<td>Training Workshop III - Mentoring – Location: NCC 209 - p. 24</td>
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<td>The purpose of this workshop is to provide participants information about the unwritten rules of academia needed for success with advice provided from minority faculty who successfully ascended the academic ladder at two large institutions. Each presenter will highlight the importance of a timely and carefully prepared dossier with a chronological listing of accomplishments that are generally evaluated by employers within and outside academia.</td>
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<td>1:15 PM - 4:00 PM</td>
<td>Training Workshop IV - Career Development and the Unwritten Rules of Academia – Location: NCC 206 - p. 25</td>
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<td>This session will explore technique and career development plans to aid in advancing through the academic ranks. Speakers have been invited to provide firsthand discussion on lessons learned and some hindsight after their career advancements.</td>
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<tr>
<td>1:30 PM - 3:30 PM</td>
<td>Training Workshop V - Technology Transfer: Models of Collaboration and Commercialization – Location: NCC 208 - p. 26</td>
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<td>During this session, attendees will be updated on latest technology transfer initiatives within RCMI institutions and other programs. This highly interactive session will discuss ways of sharing best practices in the area of collaborations and commercialization. Speakers will discuss current programs within their respective RCMI institutions, NCRR, and NIH resources available to researchers wishing to commercialize their innovations and an industry perspective on developing and commercializing academic discoveries.</td>
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<tr>
<td>4:15 PM - 6:30 PM</td>
<td>Opening Ceremony - New Minds New Methods – Location: RNH Grand Ballroom East - p. 27</td>
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<td>Keynote: Lawrence A. Tabak, DDS, PhD - Principal Deputy Director, National Institutes of Health</td>
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<td>6:45 PM - 9:30 PM</td>
<td>Welcome Reception – Location: RNH Grand Ballroom Center</td>
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**TUESDAY, DECEMBER 7, 2010**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>6:45 AM - 7:45 AM</td>
<td>Breakfast Networking Session I - Meet the Experts – Location: RNH Grand Ballroom Center Center - p. 28</td>
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<td>During this session, experts will meet with symposium attendees to share their expertise in their designated area. Discussions will include agency funding opportunities surrounding the designated health thematic areas, advice on networking and establishing successful collaborations within both the RCMI community and the broader NIH community. Experts will be ready to answer questions and offer practical solutions to research focused areas of interests in a 45 minute breakfast round table discussion.</td>
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<tr>
<td>8:00 AM - 9:30 AM</td>
<td>General Session I - Bridging the Gap between Health Disparity and Equity – Location: RNH Grand Ballroom East - p. 29</td>
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<td>In this session, the role of the newly designated National Institute on Minority Health &amp; Health Disparities (NIMHD) will be emphasized as the sole authority to lead and coordinate the NIH efforts to reduce and ultimately eliminate health disparities. The RCMI community will learn firsthand the NIMHD plans towards bridging the gap in health disparity through initiatives to support basic, clinical, social, and behavioral research in addition to boosting some of the RCMI mission of promoting research infrastructure and training. Keynote Presentation: John Ruffin, PhD - Director, National Institute on Minority Health and Health Disparities, National Institutes of Health</td>
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<tr>
<td>9:30 AM - 12:00 PM</td>
<td>RCMI Program Managers and Program Coordinators Workshop (Part II) †  – Location: NCC 208 - p. 30</td>
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<tr>
<td>9:45 AM - 11:45 AM</td>
<td>Concurrent Scientific Session 1 - Cardiovascular Diseases – Location: NCC 205 - p. 31</td>
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<td>Coronary heart disease (CHD) is one of the leading causes of death in the United States. There are documented racial/ethnic differences in the rate of CHD, with African Americans having higher incident rates than Caucasians. The objective of this session is to highlight the underlying factor(s) causing this problem and discuss available therapeutic strategies. Plenary Lecturer: Gary H. Gibbons, MD - Director, Cardiovascular Research Institute, Morehouse School of Medicine</td>
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<td>9:45 AM - 11:45 AM</td>
<td>Concurrent Scientific Session 2 - Cancer I – Location: NCC 206 - p. 32</td>
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<td>Racial and ethnic disparities in the incidence, prevalence, mortality, and burden of cancer are well documented. While access to quality care is a factor in cancer disparities other factors also play a major role, including tumor biology, genetics, hormonal status, lifestyle and behavior, screening policies, co-morbidities, and environmental exposures. Findings from research on some of these factors will be emphasized in this session both from basic and clinical science aspects. Plenary Lecturer: Lisa A. Newman, MD - Director, Breast Care Center, University of Michigan</td>
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<tr>
<td>9:45 AM - 11:45 AM</td>
<td>Concurrent Scientific Session 3 - Environmental Toxicology – Location: NCC 204 - p. 33</td>
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<td>There is a documented disparity in exposure of minority populations to harmful environmental chemicals. Presentations in this session will address health problems resulting from exposure to environmental chemical pollutants, including but not limited to: cancer, neurobiological and developmental disorders. Plenary Lecturer: Donald A. Fox, PhD - Professor, College of Optometry, University of Houston</td>
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<tr>
<td>12:00 PM - 1:30 PM</td>
<td>Luncheon and General Session II – Location: RNH Grand Ballroom East &amp; Center - p. 34</td>
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<td>The National Center for Research Resources (NCRR), a part of the National Institutes of Health (NIH), supports all aspects of clinical and translational research, connecting researchers, patients, and communities. Through its Division of Research Infrastructure, NCRR provides support to Research Centers in Minority Institutions (RCMI) programs. The RCMI programs function to enhance the research capacity and infrastructure at minority colleges and universities with graduate programs in health sciences. In this session, an overview will be provided about the current and future initiatives of NCRR’s RCMI clinical and translational research programs. Keynote Presenter: Sidney A. McNairy, Jr., PhD, DSc - Director, Division of Research Infrastructure, Associate Director, NCRR, National Institutes of Health</td>
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<tr>
<td>1:45 PM - 4:00 PM</td>
<td>Concurrent Scientific Session 4 - HIV and AIDS I – Location: NCC 205 - p. 35</td>
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<td>The global pandemic of HIV infection and AIDS continues to spread and has already claimed millions of lives. In the United States, African Americans represent 13% of the population but account for more than 50% of diagnosed AIDS cases. African-American women account for more than two thirds of AIDS cases in women in the United States. This session will cover the multi-disciplinary approach for studying HIV and AIDS, including biology, behavioral, and community outreach. Plenary Lecturer: Robert Fullilove, PhD - Professor, School of Public Health, Columbia University</td>
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<tr>
<td>1:45 PM - 4:00 PM</td>
<td>Concurrent Scientific Session 5 - Neurologic and Neuropsychiatric Disorders – Location: NCC 204 - p. 36</td>
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<td>The Surgeon General’s report on minority mental health emphasized the overall high levels of unmet need for mental health care nationally. While major psychiatric disorders are common across major ethnic groups in the United States, there is a great disparity in available treatment for alcoholism and drug abuse and mental health care amount minorities. This session will explore some of these pressing issues and advances in the molecular etiology and diagnosis of neurologic and neuropsychiatric disorders including the recent advances in brain imaging as a discovery and diagnostic tool. Plenary Lecturers: Mark H. Ellisman, PhD - Director, National Center for Microscopy and Imaging Research, Tomas Guillerme - Chair, Environmental Health Sciences, Mailman School of Public Health at Columbia University</td>
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<tr>
<td>1:45 PM - 4:00 PM</td>
<td>Concurrent Scientific Session 6 - Infectious Disease (Non-HIV) – Location: NCC 206 - p. 37</td>
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<td>The session will cover research on the pathogenesis, host defense, and immunological mechanisms of diseases induced by parasitic and microbial infections. The session will address general health problems resulting from infectious diseases including oral infectious diseases. Plenary Lecturers: Frederick A. Curro, DMD, PhD - Clinical Professor, Oral &amp; Maxillofacial Pathology, Radiology and Medicine, NYU College of Dentistry and Hua Xie, DDS, PhD - Professor, Department of Stomatology at the Meharry Medical College School of Dentistry</td>
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<tr>
<td>4:30 PM - 6:30 PM</td>
<td>Poster Session I - Poster and Podium Presentations – Location: NCC Exhibit Hall West - p. 38</td>
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<td>The objective of the poster session is to foster and encourage discussion and debate of important scientific questions relevant to the major themes of the session. Secondary objectives include providing scientific feedback to the authors concerning their data and its interpretation and to foster interchange between the presenters and observers of the poster material. Authors are given a specific time to present at their posters, during which the viewers can discuss the work with them on a one-to-one or small group basis. Some posters representing hot and timely topics will be selected for a 5-minute formal discussion and podium presentation.</td>
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<tr>
<td>6:30 PM - 9:00 PM</td>
<td>Biomedical Faces of Science Opening Reception – Location: Adventure Science Center - p. 40 (Shuttle Service will be Provided)</td>
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<td>Presented by the State of Tennessee HBCU Wellness Project at Meharry Medical College</td>
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**WEDNESDAY, DECEMBER 8, 2010**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>6:45 AM - 7:45 AM</td>
<td>Breakfast Networking Session I - Meet the Experts – Location: RNH Grand Ballroom Center - p. 41</td>
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<td></td>
<td>During this session, experts will meet with symposium attendees to share their expertise in their designated area. Discussions will include agency funding opportunities surrounding the designated health thematic areas, advice on networking and establishing successful collaborations within both the RCMI community and the broader NIH community. Experts will be ready to answer questions and offer practical solutions to research focused areas of interests in a 45 minute breakfast round table discussion.</td>
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<tr>
<td>8:00 AM - 9:30 AM</td>
<td>General Session III – Location: RNH Grand Ballroom East - p. 42</td>
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<td>Integrative Medicine combines conventional Western medicine with alternative or complementary treatments, such as herbal medicine, acupuncture, massage, biofeedback, yoga, and stress reduction techniques - all in the effort to treat the whole person. This session will offer a perspective on the directions and new priorities of the National Center for Complementary &amp; Alternative Medicine (NCCAM) as a focal point for Integrative Medicine and how NCCAM research endeavors could be more effective with a more holistic, patient-centered approach. The documented low representation of African Americans, other minorities, and rural patients in federally funded clinical trials is no doubt contributing to health disparities. Subsequently this lack of diversity in clinical studies will substantially limit potential relevance for Medically Underserved Patients. Further, this session will depict these disparities and the efforts taken to increase diversity in clinical trials to help close the healthcare gaps. Keynote Presenters: Josephine Briggs, MD - Director, National Center for Complementary and Alternative Medicine, National Institutes of Health and Claudia Baquet, MD, MPH - Associate Dean for Policy &amp; Planning, University of Maryland School of Medicine</td>
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<tr>
<td>8:00 AM - 3:00 PM</td>
<td>Community Engagement - Research Pipeline and GE Healthymagination – Location: NCC Exhibit Hall West</td>
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<td>This special activity focusing on the K-12 age group has been developed to provide information about health technology, tools about health, prevention topics, and wellness. The course of integrative instruction includes participation by local educational partners of Grades 9-12, undergraduate, and graduate students, and is intended to stimulate their interest in the research pipeline established in RCMI programs. This activity is designed to actively encourage healthy lifestyle, early disease prevention, as well as inspire and attract future scientists and physicians into RCMI program institutions. GE Healthcare will join the symposium with their Healthymagination interactive program that will provide information about changing behaviors and promoting healthy lifestyles with a focus around smoking, obesity, heart disease diabetes and high blood pressure, in an exhibit style format. Additionally, this community engagement effort will allow students to explore endless opportunities available in Health related research fields.</td>
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<td>Time</td>
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<td>9:45 AM -</td>
<td>Concurrent Scientific Session 7 - Reproductive Health</td>
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<tr>
<td>9:45 AM -</td>
<td>Concurrent Scientific Session 8 - Alternative Medicine</td>
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<td>11:45 AM</td>
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<td>11:45 AM -</td>
<td>Luncheon and General Session IV</td>
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<td>1:30 PM</td>
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<tr>
<td>2:45 PM -</td>
<td>Training Workshop VI - Genome: Wide Scans for Disease Genes and Complex Traits</td>
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<td>4:15 PM</td>
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<tr>
<td>2:45 PM -</td>
<td>Training Workshop VII - Power Analysis and Sample Size Calculation</td>
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<td>4:15 PM</td>
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<tr>
<td>2:45 PM -</td>
<td>Training Workshop VIII - REDCap</td>
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<td>4:15 PM</td>
<td>REDCap (Research Electronic Data Capture) is a secure, web-based application designed exclusively to support data capture for research studies. This workshop will provide attendees with an overview of: 1) an intuitive interface for data entry (with data validation); 2) audit trails for tracking data manipulation and export procedures; 3) automated export procedures for seamless data downloads to common statistical packages (SPSS, SAS, Stata, R); 4) procedures for importing data from external sources; and 5) advanced features, such as branching logic and calculated fields.</td>
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<td>2:45 PM -</td>
<td>Training Workshop IX - Community Participatory Research</td>
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<td>4:15 PM</td>
<td>The Community-Based Participatory Workshop will expose participants to the principles of community-based participatory research (CBPR) and will highlight strategies to engage and foster collaborative partnerships with community members, community-based organizations, and service agencies. This workshop will also describe CBPR research and evaluation methodologies to support scientific rigor. Examples of CBPR collaborative projects will be discussed.</td>
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<tr>
<td>2:45 PM -</td>
<td>Training Workshop X - Research Centers in Minority Institutions Translational Research Network Eagle-i Project</td>
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<td>4:15 PM</td>
<td>This informative session will highlight the prototype of a national research resource discovery network that will help biomedical scientists search for and find previously invisible, but highly valuable, resources. Further, this session will offer RTRN scientists the opportunity to learn about RTRN’s approach to improving the means for collaboration and also add/update their profile in the RCMI Scientists Directory.</td>
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<tr>
<td>4:15 PM -</td>
<td>Poster Session II - Poster and Podium Presentations</td>
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<td>6:00 PM</td>
<td>The objective of the poster session is to foster and encourage discussion and debate of important scientific questions related to the major themes of the session. Secondary objectives include providing scientific feedback to the authors concerning their data and its interpretation and to foster interchange between the presenters and observers of the poster material. Authors are given a specific time to present at their posters, during which the viewers can discuss the work with them on a one-to-one or small group basis. Some posters representing hot and timely topics will be selected for a 5-minute formal discussion and podium presentation.</td>
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<td>6:00 PM -</td>
<td>Dinner and General Session VI - Research Cluster Discussions and Networking</td>
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<td>8:30 PM</td>
<td>The RTRN Research Centers promote research collaborations between RCMI institutions and other organizations. The RTRN Committees and working groups support a variety of research activities such as biostatistics, bioinformatics, and data management which are critical in the operation of the network. The RTRN Research Cluster Discussion and Networking Dinner will provide research collaborators with new avenues to develop partnerships, share current opportunities for research, and promote the importance of the RTRN Network.</td>
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**THURSDAY, DECEMBER 9, 2010**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Page</th>
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<tbody>
<tr>
<td>6:45 AM -</td>
<td>Breakfast Networking Session III - Meet the Experts</td>
<td>RNH Grand Ballroom Center</td>
<td>56</td>
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<td>7:45 AM</td>
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<td>6:45 AM -</td>
<td>During this session, experts will meet with symposium attendees to share their expertise in their designated area. Discussions will include agency funding opportunities surrounding the designated health thematic areas, advice on networking and establishing successful collaborations within both the RCMI community and the broader NIH community. Experts will be ready to answer questions and offer practical solutions to research focused areas of interests in a 45 minute breakfast round table discussion.</td>
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**Thurday, December 9, 2010**

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<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>8:00 AM - 9:30 AM</td>
<td>General Session VII - Reducing and Eliminating Health Disparities – Location: RNH Grand Ballroom East - p. 57</td>
<td>RNH Grand Ballroom East - p. 57</td>
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<td>Racial and ethnic minorities receive a lower quality health care than non-minorities. This session will provide an assessment of the extent of racial and ethnic differences in health care; evaluation of the potential sources of these disparities; and will provide recommendations regarding interventions to eliminate healthcare disparities. Knowledge explosion in genome-based analyses of health disparities is impacting the expansion and exploration of Genomics to Society. The audience will learn how the development of genome-wide variation resources have allowed for exploring the science, as well as the cultural, ethical, legal, and social implications of genome variation research in health disparities and personalized medicine. Keynote Speakers: David R. Williams, PhD, MPH - Professor of Public Health, Department of Society, Human Development, and Health, Harvard University and Georgia M. Dunston, PhD - Professor and Founding Director, National Human Genome Center, Howard University College of Medicine</td>
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<td>Panelists: Representative Donna Christensen, MD - Chair, Congressional Black Caucus Health Braintrust; James E.K. Hildreth, MD, PhD - Director, Center for Health Disparities Research in HIV, Meharry Medical College; Rubeen C. Warren, DDS, MPH, DrPH; MDiv - Director, Center for Bioethics in Research and Health Care, Tuskegee University; and Carmen D. Zorrilla, MD - Professor of Obstetrics-Gynecology, Department of OB/GYN and Women’s Health, University of Puerto Rico School of Medicine</td>
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<tr>
<td>12:00 PM - 1:30 PM</td>
<td>Luncheon and General Session IX – Location: RNH Grand Ballroom East &amp; Center - p. 59</td>
<td>RNH Grand Ballroom East &amp; Center - p. 59</td>
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<td>Promoting the conditions that support health and prevent disease is a fundamental value of public health. Certain social groups, whether defined by gender, race/ethnicity, income, education, or region, however, experience dramatically different levels of health. There is growing empirical evidence that racial and ethnic health disparities cannot be eliminated without addressing the social environment and living conditions that contribute to the disproportionate burden of death and morbidity in communities of color in the U.S. In this presentation, the leading causes of death and disease in racial and ethnic communities will be described as CDC priorities or “winnable battles,” which include strategies to tackle these leading causes of death, will be discussed. The presentation will also outline details of effective community programs and an exploration of the intervention research needed to advance the goal of achieving health equity. Keynote Presenter: Leandris C. Liburd, PhD, MPH, MA - Chief, Community Health and Program Services Branch, CDC Division of Adult &amp; Community Health, National Center for Chronic Disease Prevention and Health Promotion</td>
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<td>1:45 PM - 3:45 PM</td>
<td>Concurrent Scientific Session 10 - Obesity and Metabolic Syndrome – Location: NCC 204 - p. 60</td>
<td>NCC 204 - p. 60</td>
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<td>This session will focus on atherosclerotic cardiovascular disease (ASCVD) as the foremost physical consequence of obesity. The sum of the risk factors that predispose to ASCVD goes by the name of metabolic syndrome. In addition, obesity is accompanied by other medical complications other than ASCVD and diabetes; these include fatty liver, cholesterol gallstones, sleep apnea, osteoarthritis, and polycystic ovary disease. This session will offer a public health approach to the problem of obesity, as it relates to social responsibility of the individual to recognize the underlying causes of obesity and modify behavior to reduce the personal burden of obesity. Plenary Lecturer: Herman A. Taylor, Jr, MD, MPH - Shirley Professor for the Study of Health Disparities, Principal Investigator, Jackson Heart Study, University of Mississippi Medical Center</td>
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<td>1:45 PM - 3:45 PM</td>
<td>Concurrent Scientific Session 11 - HIV and AIDS II – Location: NCC 205 - p. 61</td>
<td>NCC 205 - p. 61</td>
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<td>The global pandemic of HIV infection and AIDS continues to spread and has already claimed millions of lives. In the United States, African Americans represent 13% of the population but account for more than 50% of diagnosed AIDS cases. African-American women account for more than two thirds of AIDS cases in the United States. This session will cover the multi-disciplinary approach for studying HIV and AIDS, including biology, behavioral, and community outreach. Plenary Lecturer: Ann A. Kiessling, PhD - Beth Israel Deaconess Medical Center, Harvard Institute of Medicine</td>
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<td>1:45 PM - 3:45 PM</td>
<td>Concurrent Scientific Session 12 - Biomedical Informatics – Location: NCC 206 - p. 62</td>
<td>NCC 206 - p. 62</td>
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<td>Biomedical Informatics encompasses bioinformatics, clinical informatics, and public health informatics. Bioinformatics focuses on methods for relevant to basic biology; clinical informatics focuses on methods relevant to patient care; and public health informatics focuses on methods relevant to entire health systems. The NCRR-funded Biomedical Informatics Research Network (BIRN) uses emerging technologies to enhance collaborative efforts that integrate data, expertise, and unique technologies from research centers across the country. Plenary Lecturers: Carl Kesselman, PhD - Principal Investigator, Biomedical Informatics Research Networks; Liming Yang, PhD - Health Scientist Administrator, Division of Biomedical Technology, National Center for Research Resources; Daniel R. Mayys, MD - Chair, Department of Biomedical Informatics, Vanderbilt University Medical Center; and Kevin B. Johnson, MD, MS - Chair, Department of Biomedical Informatics, Vanderbilt University Medical Center</td>
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<td>3:45 PM - 5:45 PM</td>
<td>Poster Session III - Poster and Podium Presentations – Location: NCC Exhibit Hall West - p. 63</td>
<td>NCC Exhibit Hall West - p. 63</td>
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<td>The objective of the poster session is to foster and encourage discussion and debate of important scientific questions relevant to the major themes of the session. Secondary objectives include providing scientific feedback to the authors concerning their data and its interpretation and to foster interchange between the presenters and observers of the poster material. Authors are given a specific time to present at their posters, during which the viewers can discuss the work with them on a one-to-one or small group basis. Some posters representing hot and timely topics will be selected for a 5-minute formal discussion and podium presentation.</td>
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<td>6:30 PM - 8:30 PM</td>
<td>Closing Ceremony - RCMI 25th Anniversary Celebration – Location: RNH Grand Ballroom - p. 64</td>
<td>RNH Grand Ballroom - p. 64</td>
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<td>Keynote Presenter: Sidney A. McNairy, Jr., PhD, DSc - Director, Division of Research Infrastructure, Associate Director, NCRR, National Institutes of Health TICKETS REQUIRED FOR ENTRY and may be purchased at registration no later than 12 Noon on Monday, December 6.</td>
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VENUE LAYOUT

3rd FLOOR / LOBBY LEVEL
RENAISSANCE HOTEL

2nd FLOOR
NASHVILLE CONVENTION CENTER

1st FLOOR
NASHVILLE CONVENTION CENTER

Symposium Registration

Exhibit Hall
American scientists. commitment to recruit, develop and prepare the next generation of to implement strategies for scientific networking; and to continue our mission is an imperative to build unique and meaningful collaborations among researchers; to facilitate translational research, to recruit and equip outstanding faculty; to develop and share core research facilities; to implement strategies for scientific networking; and to continue our commitment to recruit, develop and prepare the next generation of American scientists.
Morehouse School of Medicine - 200
Morehouse School of Medicine (MSM) is a private, historically black institution established in 1975. Major support for the biomedical research infrastructure at MSM is received through the RCMI Program. The MSM/RCMI supported core facilities are: Cell/Tissue Imaging, Gene Profiling, Analytical Chemistry/Protein Profiling and Biomedical Technology Service Laboratories.

Morehouse School of Medicine Analytical Research Closed Information System - 301

National Center for Research Resources - 100
Research supported by NCRR’s Research Centers in Minority Institutions program spans a broad range of areas including health disparities, HIV/AIDS and cardiovascular disease. Because RCMI investigators study diseases disproportionately affecting minorities, the program serves the dual purpose of bringing more minority scientists into mainstream research and enhancing minority health studies.

Office of Minority Health Research Coordination/NIDDK - 109
OMHRC was created by the Director of NIDDK in order to address the burden of diseases that disproportionately impact the health of minority populations. OMHRC will help implement the institution’s strategic plan for health disparities and build on the strong partnership with the NCMHHD, NIH.

RCMI at Meharry Medical College - 307
National Center for Research Resources through RCMI has supported Research Infrastructure at Meharry Medical College for the last 25 years. Currently in the 6th five-year cycle of support, the emphasis in this cycle is Brain and Behavior and the study of infectious agents including HIV in women’s health. In the last 5 years, RCMI has recruited a number of senior scientists with National and International Reputation in the area of Women’s Health Research. The Program has also supported the recruitment of junior faculty and supported Pilot projects.

Tuskegee University - 104
Tuskegee’s legacy of excellence, initiated by Drs. Washington and Carver and expanded by Drs. Bowie (AMHPS founder) and Sapp (past RCMI Program Director) continues with new RCMI pilot investigators. Innovative use of in vitro, in vivo and computational modeling enhances Tuskegee’s mission: addressing health disparities through One Medicine-One Health.

University of Hawaii at Manoa – Eagle-i Consortium - 207
The Eagle-i Consortium, comprising nine ethnically diverse and geographically dispersed institutions, is building a federated inventory management network and an open-source data-query system for often-invisible research resources to accelerate the pace of scientific advances aimed at the development of improved diagnostics, novel treatments, affordable vaccines, and culturally appropriate prevention strategies.

University of Hawaii at Manoa – Research Centers in Minority Institutions Program - 108
The RCMI Program at the University of Hawaii at Manoa aims to further develop research excellence in biomedicine and health by fostering translational research linking basic science and clinical medicine with emphasis on biomedical imaging and bioengineering, bioactive nutrients, tropical infectious diseases and biostatistics and computer core support.

University of Puerto Rico Medical Sciences Campus - 305
This booth will highlight the goals and objectives of the RCMI Program at the UPR Medical Sciences Campus and its accomplishments during the current funding cycle 2007-2011. Special attention will be given to the research infrastructure supported by the Program: Clinical Proteomics Core, Molecular Genetics and Infectious Diseases Laboratories, Neurogenetics Core Unit, and Collaborative Technologies Research.

University of Texas at El Paso - 105
Xavier University of Louisiana’s RCMI Cancer Research Program - 103
The vision of the Xavier University of Louisiana’s RCMI program is to be seen nationally, not only for its eminence in graduating African-American biologists, chemists, pre-med students, and pharmacists, but also for its national prominence in research, particularly in the area of cancer research.
Congratulations RCMI on 25 Years of Excellence in Research!
The National Institutes of Health’s National Center for Research Resources
www.ncrr.nih.gov

The National Center for Research Resources serves as a foundation for the entire National Institutes of Health (NIH) research enterprise. NCRR's matrix of extramural programs enable discovery across the entire continuum of research from basic science to community health care. More than 30,000 NIH-funded investigators nationwide rely on the resources, tools and networks made possible through NCRR support.

Supported by a $1.2 billion budget in FY 2010 — plus an additional $1.6 billion in Recovery Act funding — NCRR programs build synergy and offer collaboration opportunities for NIH-funded investigators and their institutions in areas such as clinical research, biomedical technology, comparative medicine, research infrastructure and facility construction.

Through its Division of Research Infrastructure (DRI), NCRR manages programs to enhance the competitiveness of biomedical investigators in underrepresented states and institutions. Working the Research Centers in Minority Institutions (RCMI) and other programs, DRI supports hundreds of projects spanning the full range of biomedical and behavioral research and training.

Research Centers in Minority Institutions Program
www.ncrr.nih.gov/rcmi

Established by Congress in 1985, the RCMI program supports centers that augment and strengthen institutional biomedical research capacity in institutions that enroll a high percentage of minorities (African Americans, American Indians, Alaska Natives, Hispanics, Native Hawaiians and Pacific Islanders) underrepresented in the biomedical sciences. Eligible institutions offer doctoral degrees in the health professions or the sciences related to health. Because many investigators at RCMI institutions study diseases that disproportionately affect minorities, the program serves the dual purpose of bringing more minority scientists into mainstream research and enhancing studies of minority health. RCMIs provide infrastructure, such as core lab facilities, equipment, pilot project research funding, renovations, faculty development and recruitment, and outpatient clinical research facilities and staff.

The RCMI program has provided grant support to 21 academic institutions, including 10 graduate schools, seven medical schools, three schools of pharmacy, and one school of veterinary medicine. Currently, 18 institutions in 10 states, the District of Columbia and Puerto Rico receive RCMI funding. Learn more at www.ncrr.nih.gov/rcmi.
AGENDA

7:30 AM – 1:00 PM
RCMI Principal Investigators and Program Directors Meeting
Location: NCC 208

This is a Closed Meeting

Facilitators
Keith C. Norris, MD
President, RCMI PD Association

William M. Southerland, PhD
Vice-President, RCMI PD Association

State of the RCMI Program
Sidney A. McNairy, Jr., PhD, DSc - Director, DRI

NIH Funding Opportunity Announcement
David Stoff - Program Director, NIMH

RCMI-CTSA Update
Elizabeth O. Ofili, MD, MPH

Profiles Update
James J. Perkins, PhD

RTRN Small Grants Program
Richard Yanagihara, MD, MPH

RCMI PI/PD Workshop
Krishan K. Arora, PhD
Regine Douthard, PhD
Kesi Howell
Shelia A. McClure, PhD
Gavin Wilkom

7:30 AM – 3:00 PM
RCMI Program Managers and Program Coordinators Meeting
Location: NCC 210

This is a Closed Meeting

Association Meeting
Donnell H. Scott / Bert Walker

Workshop (Part I)
Krishan K. Arora, PhD
Regine Douthard, PhD
Kesi Howell
Shelia A. McClure, PhD
Gavin Wilkom

Welcome and Introductions

Non-Competing Continuation Progress Report
• Program
• Grants Management

Other Topics
• RTRN Communications
• Program Publicity and Marketing

Questions and Answers
AGENDA – MONDAY

9:30 AM – 12:15 PM

TRAINING WORKSHOP I

The ‘New’ Basics of Grantsmanship

Location: NCC 205

This session focuses on preparation of a strong grant application. All investigators – new applicants and experienced NIH grant applicants – are encouraged to attend this tutorial on the preparation of a successful grant application as the application format, process, review procedures, and emphasis has changed.

Moderator / Discussant
John C. Higginbotham, PhD, MPH

New NIH Grant Format, New Regulations, and Helpful Aids for the Investigator

Steve Birken, PhD

New NIH Vocabulary:
The Critical Importances of Addressing ‘Impact’

John C. Higginbotham, PhD, MPH

Enhanced Importance of the ‘Specific Aims’ Script:
The Whole Grant on One Page

John C. Higginbotham, PhD, MPH

Research Involving Human Subjects:
What Really Needs to be in Your Grant

Jonelle E. Wright, PhD, BSN

Research Involving Vertebrate Animals:
What Really Needs to be in Your Grant

John C. Heath, PhD

Questions & Answers / Concluding Remarks
John C. Higginbotham, PhD

Steve Birken, PhD is a Scientific Review Administrator in the Office of Review for the National Center for Research Resources at the National Institutes of Health.

John C. Heath, PhD is Assistant Professor of Biomedical Sciences / Psychology in the College of Veterinary Medicine, Nursing, and Allied Health at Tuskegee University.

John C. Higginbotham, PhD, MPH is an Associate Dean for Research and Health Policy at the University of Alabama School of Medicine.

Jonelle E. Wright, PhD, BSN is the Deputy Director for the Miami Institute on Mental Health Disparities in the Department of Psychiatry and Behavioral Sciences at the University of Miami.
1:15 PM – 3:30 PM
TRAINING WORKSHOP II
The New Application Review and Scoring Process: Developing A1 Application and Response to Reviewers’ Critiques
Location: NCC 205

This session focuses on the review process for grant applications and how to respond to reviewers’ comments should you need to resubmit your grant. All investigators – new applicants and experienced NIH grant applicants – are encouraged to attend this tutorial on the preparation of a successful research grant application as the application format, process, review procedures, and emphasis has changed.

Moderator / Discussant
John C. Higginbotham, PhD, MPH

What Happens to Your Application Once Submitted?
Michael H. Sayre, PhD

Video: Mock Study Section
Steve Birken, PhD

Expert Panel:
Comments & Hints Regarding the Grant Review Process
Barbara E. Hayes, PhD
John C. Higginbotham, PhD, MPH
Shafiq A. Khan, PhD
William M. Southerland, PhD
Jonelle E. Wright, PhD, BSN

Questions for Panelists & NIH Program/Review Staff Members

Steve Birken, PhD is a Scientific Review Administrator in the Office of Review for the National Center for Research Resources at the National Institutes of Health.

Barbara E. Hayes, PhD is dean of the College of Pharmacy and Health Sciences and a professor of pharmacology at Texas Southern University.

John C. Higginbotham, PhD, MPH is an Associate Dean for Research and Health Policy at the University of Alabama School of Medicine.

Shafiq A. Khan, PhD is Professor and Georgia Research Alliance Eminent Scholar, Director, Center for Cancer Research and Therapeutic Development, Director, NIH/NCMHD COE for Prostate Cancer Research, Education and Community services at Clark Atlanta University.

Michael H. Sayre, PhD is Program Officer for IDeANet in the National Center for Research Resources Division of Research Infrastructure.

William B. Southerland, PhD is a Professor in the Department of Biological Sciences at Clark Atlanta University.

Jonelle E. Wright, PhD, BSN is the Deputy Director for the Miami Institute on Mental Health Disparities in the Department of Psychiatry and Behavioral Sciences at the University of Miami.
AGENDA – MONDAY

1:15 PM – 4:00 PM
TRAINING WORKSHOP III
Mentorship
Location: NCC 209

The purpose of this workshop is to provide participants information about the unwritten rules of academia needed for success with advice provided from minority faculty who successfully ascended the academic ladder at two large institutions. Each presenter will highlight the importance of a timely and carefully prepared dossier with a chronological listing of accomplishments that are generally evaluated by employers within and outside academia.

Moderator
Cesar D. Fermin, PhD

Issues Affecting Mentoring of Basic and Health Sciences Careers
Emma M. Simmons, MD

Issues Affecting Ascension to the Basic, Health Sciences, and Administration Rat Race Ladder
Alexzander A.A. Asea, PhD

Wants and Needs:
A Realistic Assessment of Individual Potential
Cesar D. Fermin, PhD
Elizabeth O. Ofili, MD, MPH

Questions & Answers
1:15 PM – 4:00 PM

**TRAINING WORKSHOP IV**

Career Development and the Unwritten Rules of Academia

**Location:** NCC 206

This session will explore techniques and career development plans to aid in advancing through academic ranks. Speakers have been invited to provide a firsthand discussion on lessons learned and some hindsight after their career advancements.

**Moderator**

*Sandra A. Harris-Hooker, PhD*

**Panelists**

Joan Y. Reede, MD, MS, MPH, MBA

Gloria Richard-Davis, MD

George S. Rust, MD, MPH

1-1: Understanding the Challenges

Panel Discussion / Questions & Answers

*Sandra A. Harris-Hooker, PhD* is Interim Dean, Associate Dean for Research Development, as well as Associate Professor in the Departments of Pathology and Medicine at Morehouse School of Medicine. In addition to this, she is also the Director of the Minority Biomedical Research Support Program.

*Joan Y. Reede, MD, MS, MPH, MBA* is Dean for Diversity and Community Partnership at Harvard Medical School.

*Gloria Richard-Davis, MD* is Chair of Obstetrics and Gynecology at Meharry Medical College.

*George S. Rust, MD, MPH* is Professor of Family Medicine and is the founding Director of the National Center for Primary Care at Morehouse School of Medicine.
1:30 PM – 3:30 PM

TRAINING WORKSHOP V

Technology Transfer:
Models of Collaboration and Commercialization
Location: NCC 208

During this session, attendees will be updated on latest technology transfer initiatives within RCMI institutions and other programs. This highly interactive session will discuss ways to sharing of best practices in the area of collaborations and commercialization. Speakers will discuss current programs within their respective RCMI institutions, NCRR and NIH resources available to researchers wishing to commercialize their innovations and an industry perspective on developing and commercializing academic discoveries.

Moderator
Lili M. Portilla, MPA

NCRR and NIH Resources and Programs:
Helping Investigators Develop their Innovations to Commercialize Academic Technology
Lili M. Portilla, MPA

A Public/Private Partnership Model to Engage Stakeholders
Emma Fernandez-Repollet, PhD

A Proposed Consortium Model:
Defragmenting Technology Transfer Expertise Across RCMI Institutions
Tanaga Boozer, JD

What it Truly Takes to Commercialize Biomedical Innovations in this Current Economic Climate
– A Case Study
Ron G. King, PhD

Panel Discussion / Questions & Answers
4:15 PM – 6:30 PM
OPENING CEREMONY
New Minds - New Methods
Location: RNH Grand Ballroom East

Presentation of Colors
Girl Scout Troop #188 Color Guard

National Anthem
Jessica Cannon

Greetings from NCRR
Sidney A. McNairy, Jr., PhD, DSc

Keynote Presentation
Lawrence A. Tabak, DDS, PhD

Musical Selections
Voices
WO Smith Nashville Community Music School

Reception to Follow (RNH Grand Ballroom Center)
Entertainment by Paula Chavis

Sidney A. McNairy, Jr., PhD, DSc is Director, Division of Research and Infrastructure and Associate Director of the National Center for Research Resources at the National Institutes of Health.

Valerie Montgomery Rice, MD is Professor of Obstetrics and Gynecology, Executive Director, Center for Women’s Health Research, and Principal Investigator, RCMI Conference Grant at Meharry Medical College.

Lawrence A. Tabak, DDS, PhD is the Principal Deputy Director of the National Institutes of Health, U.S. Department of Health and Human Services.

Moderator
Valerie Montgomery Rice, MD
Program Chair
6:45 AM – 7:45 AM

BREAKFAST NETWORKING SESSION I
Meet the Experts
Location: RNH Grand Ballroom Center

During this session, experts will meet with symposium attendees to share in their designated area. Discussions will include agency funding opportunities surrounding the designated health thematic areas, advice on networking and establishing successful collaborations within both the RCMI community and the broader NIH community. Experts will be ready to answer questions and offer practical solutions to research focused areas of interests in a 45-minute roundtable discussion.

Cluster Name Badge Identifiers

Biomedical Informatics / Technology Transfer ............ Neon Red
Cancer................................................................. Dark Blue
Cardiovascular Related Diseases................................. Black
Community Engagement............................................ Neon Orange
Gene & Environmental Health/Toxicology...................... Orange
HIV, AIDS, and Infectious Diseases............................. Green
Neurological Diseases and Mental Health..................... Light Blue
Obesity and Metabolic Diseases .................................. Yellow
Women’s & Reproductive Health............................... Red

NIH Program Officers

 Centers for Disease Control and Prevention
Sharrice White-Cooper, MPH
Prevention Research Centers Program

National Institutes of Health
Henry Khachaturian, PhD
Health Scientist Administrator, Office of Director

National Center for Complementary and Alternative Medicine
Linda C. Duffy, PhD
Program Officer, DER, Natural Products Branch

National Cancer Institute
Carmen P. Moten, PhD, MPH
Program Director, Diversity Training Branch - Center to Reduce Cancer Health Disparities

National Center for Research Resources
Steven Birken, PhD
Scientific Review Officer, Office of Review

Lili M. Portilla, MPA
Senior Advisor for Technology Transfer

Alisa Schaefer, PhD
Advisor for Global Outreach, Office of the Director

Liming Yang, PhD
Program Officer, Division of Biomedical Technology

National Institute on Aging
Chyren Hunter, PhD
Deputy Director, Division of Extramural Activities and Training Officer

National Institute of Allergy and Infectious Diseases
Diane Adger Johnson
Program Analyst

National Institute of Biomedical Imaging and Bioengineering
Todd Merchak
Biomedical Engineer

National Institute of Diabetes and Digestive and Kidney Diseases
Winnie Martinez
Program Analyst, Office of Minority Health Research Coordination
Program Officer, Network of Minority Research Investigators

National Institute of Mental Health
LeShawndra N. Price, PhD
Deputy Director for Research, Office for Research on Disparities & Global Mental Health
Chief, Mental Health Disparities

David M. Stoff, PhD
Program Chief, Neuropsychiatry of HIV/AIDS, AIDS Research Training, HIV/AIDS Health Disparities Center for Mental Health Research on AIDS

National Institute of Neurological Disorders and Stroke
Alfred W. Gordon, PhD
Associate Director for Minority Health and Research, Office Of The Director
8:00 AM – 9:30 AM
GENERAL SESSION I
Bridging the Gap between Health Disparity & Equity
Location: RNH Grand Ballroom East

In this session, the role of the newly designated National Institute on Minority Health & Health Disparities (NIMHD) will be emphasized as the sole authority to lead and coordinate the NIH efforts to reduce and ultimately eliminate health disparities. The RCMI community will learn firsthand the NIMHD plans towards bridging the gap in health disparity through initiatives to support basic, clinical, social, and behavioral research in addition to boasting some of the RCMI mission of promoting research infrastructure and training.

**Moderator**
Valerie Montgomery Rice, MD

**Greetings**
Wayne J. Riley, MD, MPH, MBA
President & CEO, Meharry Medical College

**Keynote Presentation**
John Ruffin, PhD

**Lecturer Introduction**
Kinfe Ken Redda, PhD

**Greenwood Memorial Lecture**
Karam F.A. Soliman, PhD

**Presentation of Awards and Special Honors**
Emma Fernandez-Repollet, PhD
AGENDA – TUESDAY

9:30 AM – 12:00 PM
RCMI PROGRAM MANAGERS & PROGRAM COORDINATORS WORKSHOP
(Part II)
Location: NCC 208

This is a Closed Meeting

Facilitators
Krishan K. Arora, PhD
Regine Douthard, PhD
Kesi Howell
Shelia A. McClure, PhD
Gavin Wilkom

Welcome and Introductions

Anatomy of Carryover Requests:
NCRR’s New Revised Policy
• Grants Management
• Program

Preparation of Renewal (Competing Continuation)
Applications - Programmatic and Administrative Issues
• Programmatic Concerns Prior to Submission of Grants
• Summary of Statement: Face Page – Codes for Use of Human Subjects and Vertebrate Animals; Gender, Minority, & Children Codes
• Administrative

Other Topics - NIH Public Access Policy

Questions & Answers and One-on-One Session with Program Staff and Office of Grants Management Staff
Coronary heart disease (CHD) is one of the leading causes of death in the United States. There are documented racial/ethnic differences in the rate of CHD, with African Americans having higher incident rates than Caucasians. The objective of this session is to highlight the underlying factor(s) causing this problem and discuss available therapeutic strategies.

Moderators
Pandu Gangula, PhD
Margarita Irizarry-Ramirez, PhD

Plenary Lecturer
Gary H. Gibbons, MD

Oral Abstract Presenters

04.05.01 — THE GOODNEWS (GENES, NUTRITION, EXERCISE, WELLNESS AND SPIRITUAL GROWTH) TRIAL: LIFESTYLE ENHANCEMENT FOR REDUCING THE RISK OF CARDIOVASCULAR DISEASE
Mark DeHaven, PhD
University of Texas Southwestern

04.01.15 — EPIGENETIC REGULATION OF ENDOGLIN, A NOVEL ENDOTHELIAL SPECIFICATION GENE
Methode Bacanamwo, PhD
Morehouse School of Medicine

04.01.16 — VITAMIN D EFFICIENCY AND CARDIO-RENAL RISK FACTORS IN CHILDREN
Giangadarshni Chandramohan, MD
University of California, Los Angeles

04.02.03 — AFRICAN AMERICANS WITH HEART FAILURE: RACIAL DIFFERENCES IN ICD THERAPIES AND INFLAMMATORY AND OXIDATIVE STRESS MARKERS
Ravinder R. Valadri, MD
Morehouse School of Medicine
9:45 AM – 11:45 AM
CONCURRENT SCIENTIFIC SESSION 2
Cancer I
Location: NCC 206

Racial and ethnic disparities in the incidence, prevalence, mortality, and burden of cancer are well documented. While access to quality care is a factor in cancer disparities other factors also play a major role, including tumor biology, genetics, hormonal status, lifestyle and behavior, screening policies, co-morbidities, and environmental exposures. Findings from research on some of these factors will be emphasized in this session both from basic and clinical science aspects.

**Moderators**
Shafiq Khan, PhD
Sakina E. Eltom, DVM, PhD

**Plenary Lecturer**
Lisa A. Newman, MD

**Oral Abstract Presenters**

03.01.15 – CELECOXIB NANOPARTICLES FOR INHALATION DELIVERY IN TREATMENT OF NON-SMALL CELL LUNG CANCER
Mandip S. Sachdeva, PhD
Florida A&M University

03.01.61 – PHOSPHOLIPASE D STABILIZES HDM2 THROUGH AN mTORC2/SGK1 PATHWAY
Donggon Lyo
Hunter College, City University of New York

03.06.05 – PREDICTOR OF DISTINCT GENETIC ALTERATIONS IN AFRICAN AMERICANS WITH COLON CANCER BY GENOMIC ANALYSIS
Hassan Ashktorab
Howard University

03.01.07 – LEPTIN, A PRODUCT OF ADIPOSE TISSUE, PROTECTS T CELL CANCERS FROM CHEMICALLY-INDUCED CELL DEATH
Kristine M. Garza, PhD
University of Texas at El Paso

Sakina E. Eltom, DVM, PhD is Associate Professor of Pharmacology, Department of Cancer Biology at Meharry Medical College.

Shafiq Khan, PhD is Professor, Biological Science, Georgia Research Alliance Eminent Scholar, Director, Center for Cancer Research and Therapeutic Development, and Director, NIH/NCMHD COE for Prostate Cancer Research, Education and Community services at Clark Atlanta University.

Lisa A. Newman, MD is Professor of Surgery; Director, Breast Cancer Care Center at the University of Michigan.
9:45 AM – 11:45 AM

CONCURRENT SCIENTIFIC SESSION 3
Environmental Toxicology
Location: NCC 204

There is a documented disparity in exposure of minority populations to harmful environmental chemicals. Presentations in this session will address health problems resulting from exposure to environmental chemical pollutants, including but not limited to cancer, neurological, and developmental disorders.

Moderators
Zikri Arslan, PhD
Guangdi Wang, PhD

Plenary Lecturer
Donald A. Fox, PhD

Oral Abstract Presenters

05.01.08 – PROTECTIVE ROLE OF QUERCETIN AGAINST ADROLEIN-INDUCED TOXICITY IN LUNG EPITHELIAL CELLS
Poonam Sarkar, PhD
Texas Southern University

05.01.10 – IMMUNE RESPONSE DUE TO SILICA EXPOSURE IN EGYPTIAN PHOSPHATE MINES
Medhat Kalliny, MD, ScD
Meharry Medical College

05.01.11 – ARSENIC-INDUCED DIFFERENTIAL EXPRESSION OF IMMUNE RESPONSE GENES ENCODING MEMBRANE PROTEINS IN HUMAN EPIDERMAL KERATINOCTES
Udensi K. Udensi, MS, MPH, AIMLS
Jackson State University

05.01.03 – SEPARATION OF FREE CADMIUM AND CdSe NANO PARTICLES FROM ANIMAL ORGANS
Zikri Arslan, PhD
Jackson State University

Zikri Arslan, PhD is Assistant Professor of Chemistry at Jackson State University.

Donald A. Fox, PhD is Professor of Vision Sciences, Biology and Biochemistry, Pharmacology, and Health and Human Performance, University of Houston College of Optometry.

Guangdi Wang, PhD is Professor, Department of Chemistry and Director, RCMI Cancer Research Program at Xavier University of Louisiana.
12:00 PM – 1:30 PM
LUNCHEON & GENERAL SESSION II

Location: RNH Brand Ballroom East & Center

The National Center for Research Resources (NCRR), a part of the National Institutes of Health (NIH), supports all aspects of clinical and translational research, connecting researchers, patients, and communities. Through its Division of Research Infrastructure, NCRR provides support to Research Centers in Minority Institutions (RCMI) programs. This session will provide an overview of the current and future initiatives of NCRR’s RCMI clinical and translational research programs.

Moderator
Keith C. Norris, MD

Keynote Presentation
Sidney A. McNairy, Jr., PhD, DSc

Sidney A. McNairy, Jr., PhD, DSc is Director, Division of Research and Infrastructure and Associate Director of the National Center for Research Resources at the National Institutes of Health.

Keith C. Norris, MD is Executive Vice President of Research and Health Affairs at Charles R. Drew University of Medicine and Science.
1:45 PM – 4:00 PM
CONCURRENT SCIENTIFIC SESSION 4
HIV and AIDS I
Location: NCC 205

The global pandemic of HIV Infection and AIDS continues to spread and has already claimed millions of lives. In the United States, African Americans represent 13% of the population but account for more than 50% of diagnosed AIDS cases. African-American women account for more than two thirds of AIDS cases in women in the United States. This session will cover the multi-disciplinary approach for studying HIV and AIDS, including biology, behavioral, and community outreach.

Moderators
Sergei A. Nekhai, PhD
Jose W. Rodriguez, PhD

Plenary Lecturer –
HIV and AIDS among African Americans
Robert Fullilove, PhD

Oral Abstract Presenters

06.01.02 – NEUROPSYCHOLOGICAL TEST SCORES REMAIN STABLE OVER TIME AND CORRELATE WITH HIV DNA COPY IN ACTIVATED MONOCYTES
Bruce T. Shiramizu, MD
University of Hawaii

06.03.07 – CONDOM USE PATTERNS WITH STEADY AND NON-STEADY SEX PARTNERS AMONG WOMEN LIVING IN PUBLIC HOUSING IN PONCE, PUERTO RICO
Lisa R. Norman, PhD
Ponce School of Medicine

06.04.03 – SELF-EFFICACY AND INTEREST IN CONDUCTING HIV TRANSLATIONAL RESEARCH
Silvia E. Rabionet, EdD
Nova Southeastern University

06.01.26 – HIV-1’S VPU AND TASK PROTEINS INHIBIT HIV-1 TRANSCRIPTION
Nikiruka Emeagwali
Meharry Medical College

Robert Fullilove, PhD is Associate Dean for Community and Minority Affairs, Professor of Clinical Sociomedical Sciences at the Mailman School of Public Health, Columbia University.

Sergei A. Nekhai, PhD is a Research Scientist in the Center for Sickle Cell Disease and Assistant Professor, Department of Biochemistry and Molecular Biology at Howard University College of Medicine.

Jose W. Rodriguez, PhD is Associate Professor of Immunology Department of Microbiology and Immunology, Universidad Central del Caribe.
1:45 PM – 4:00 PM
CONCURRENT SCIENTIFIC SESSION 5
Neurologic and Neuropsychiatric Disorders
Location: NCC 204

The Surgeon General’s report on minority mental health emphasized the overall high levels of unmet need for mental health care nationally. While major psychiatric disorders are common across major ethnic groups in the United States, there is a great disparity in available treatment for alcoholism and drug abuse and mental health care among minorities. This session will explore some of these pressing issues and the advances in the molecular etiology and diagnosis of neurologic and neuropsychiatric disorders including the recent advances in brain imaging as a discovery and diagnostic tool.

Moderators
Carlos Luciano, MD
Mitchell H. Parks, MD

Plenary Lecturers
Mark H. Ellisman, PhD
Tomas R. Guilarte, PhD

Oral Abstract Presenters
08.01.14 – A NOVEL SPERMINE BIOSENSOR
Yuriy Kucheryavykh
Universidad Central del Caribe

08.01.08 – G PROTEIN-CYTOSKELETAL INTERACTIONS AND NEURONAL OUTGROWTH
Jorge Sierra-Fonseca
University of Texas at El Paso

08.01.28 – DEVELOPMENT OF THERANOSTIC NANOVEHICLE TO DIAGNOSE AND TREAT CEREBRAL AMYLOID ANGIOPATHY
Karunya K. Kandimalla, PhD
Florida A&M University

Mark H. Ellisman, PhD is Professor of Neuroscience and Director of the National Center for Microscopy and Imaging Research at the University of California, San Diego.

Tomas R. Guilarte, PhD is Chair of Environmental Health Sciences, Mailman School of Public Health at Columbia University.

Carlos Luciano, MD is Professor, Neurology at the University of Puerto Rico.

Mitchell H. Parks, MD is Assistant Professor, Medical Neurology at Meharry Medical College.
1:45 PM – 4:00 PM

**CONCURRENT SCIENTIFIC SESSION 6**

**Infectious Disease (Non-HIV)**

**Location: NCC 206**

The session will cover research on the pathogenesis, host defense, and immunological mechanisms of diseases induced by parasitic and microbial infections. The session will address general health problems resulting from infectious diseases including oral infectious disease.

**Moderators**

Wilda J. Seibert, RDH
Jonathan K. Stiles, PhD

**Plenary Lecturers**

Frederick A. Curro, DMD, PhD
Hua Xie, DDS, PhD

**Oral Abstract Presenters**

07.01.36 – ACTIVATION OF THE CD14/TLR4 PATHWAY PREVENTS BACTERIAL CLEARANCE IN ACUTE INFECTION
Shalaka Metkar
City College of New York, City University of New York

07.01.32 – WNV NS4B MODULATES VIRAL RNA REPLICATION BY REMODELING ER MEMBRANE
Pakieli H. Kaufusi, PhD
University of Hawaii

07.01.13 – MINOCYCLINE PROTECTS AGAINST WNV-ASSOCIATED ENCEPHALITIS IN MICE
Moti Lal Chapagain, PhD, MBBS, MHPED
University of Hawaii

*Frederick A. Curro, DMD, PhD* is Clinical Professor, Oral & Maxillofacial Pathology, Radiology and Medicine at the New York University Dental School.

*Wilda J. Seibert, RDH* is Associate Professor of Dental Public Health at Meharry Medical College.

*Jonathan K. Stiles, PhD* is Professor, Department of Microbiology, Biochemistry & Immunology at Morehouse School of Medicine.

*Hua Xie, DDS, PhD* is Professor, Department of Stomatology at the Meharry Medical College School of Dentistry.
AGENDA – TUESDAY

4:30 PM – 6:30 PM
POSTER SESSION I
Poster and Podium Presentations
Location: NCC Exhibit Hall West

The objective of the poster session is to foster and encourage discussion and debate of important scientific questions relevant to the major themes of the session. Secondary objectives include providing specific feedback to the authors concerning their data and its interpretation and to foster interchange between the presenters and observers of the poster material. Authors are given a specific time to be present at their posters, during which the viewers can discuss the work with them on a one-to-one or small group basis. Some posters representing hot and timely topics will be selected for a 5-minute formal discussion and podium presentation.

See page 66 for voting on “Best of Show.”

Moderators
Cemona V. Hinton, PhD
Diana Marver, PhD

Poster Overviews
Cardiovascular Disease
Environmental Toxicology
HIV and AIDS
Neurologic and Neuropsychiatric Disorders

Cemona V. Hinton, PhD is Assistant Professor, Department of Biological Sciences, Center for Cancer Research and Therapeutic Development at Clark Atlanta University.

Diana Marver, PhD is Assistant Vice President for Research at Meharry Medical College.
Role Model Scientists
Solving Health Disparities

Prostate Cancer
HIV AIDS
Vector-born and Viral Zoonotic Diseases
Breast Cancer
High Blood Pressure
Diabetes
Stroke
Cardiovascular Disease
Kidney Disease
Obesity
Depression-Anxiety

Visit biomedicalfacesofscience.com to learn about these role model scientists
6:00 PM – 9:30 PM

**BIOMEDICAL FACES OF SCIENCE**

**Opening Reception**

**Location:** Adventure Science Center Nashville

800 Fort Negley Blvd. - Nashville, Tennessee 37203

Shuttle Services provided by Gray Line of Tennessee

The BioMedical Faces of Science (BFS) Program® will motivate middle and high school students to pursue careers in fields which can lead to a better understanding of diseases and ultimately their cure. The BFS role model scientists will open up exciting fields like Cardiology, Cell Biology, Genomics, Immunology, Nephrology, and infectious diseases like HIV and AIDS. BFS role model scientists, along with other scientists, physicians, and other researchers are part of the BFS database main mission is to encourage and motivate students to seek career paths which lead to PhDs, MDs, and MD PhDs in biomedical and clinical sciences. Ultimately, students experiencing the BFS program will learn how they can become “health messengers” to improve health outcomes and ultimately, eliminate health disparities in their communities.

For more information visit [www.BioMedicalFacesofScience.com](http://www.BioMedicalFacesofScience.com)

Official Program begins at 7:15 PM

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**Shuttles to the**

Adventure Science Center Nashville

Shuttles will depart from the Renaissance Nashville Hotel every 15 minutes between 5:30 PM and 7:00 PM.

**Shuttles from the**

Adventure Science Center Nashville

Shuttles will depart the Adventure Science Center every 20 minutes with the last Shuttle departing at 9:30 PM with drops to the Renaissance Nashville Hotel and the Nashville Sheraton Downtown Hotel
6:45 AM – 7:45 AM  
BREAKFAST NETWORKING SESSION II  
Meet the Experts  
Location: RNH Grand Ballroom Center

During this session, experts will meet with symposium attendees to share in their designated area. Discussions will include agency funding opportunities surrounding the designated health thematic areas, advice on networking and establishing successful collaborations within both the RCMI community and the broader NIH community. Experts will be ready to answer questions and offer practical solutions to research focused areas of interests in a 45-minute roundtable discussion.

Cluster Name Badge Identifiers

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| Cardiovascular Related Diseases | Dark Blue |
| Community Engagement | Black |
| Gene & Environmental Health/Toxicology | Orange |
| HIV, AIDS, and Infectious Diseases | Green |
| Neurological Diseases and Mental Health | Light Blue |
| Obesity and Metabolic Diseases | Yellow |
| Women’s & Reproductive Health | Red |

NIH Program Officers

**Centers for Disease Control and Prevention**  
Sharrice White-Cooper, MPH  
Prevention Research Centers Program

**National Institutes of Health**  
Henry Khachaturian, PhD  
Health Scientist Administrator, Office of Director

**National Center for Complementary and Alternative Medicine**  
Linda C. Duffy, PhD  
Program Officer, DER, Natural Products Branch

**National Cancer Institute**  
Carmen P. Moten, PhD, MPH  
Program Director, Diversity Training Branch - Center to Reduce Cancer Health Disparities

**National Center for Research Resources**  
Steven Birken, PhD  
Scientific Review Officer, Office of Review

**National Institute on Aging**  
Chyren Hunter, PhD  
Deputy Director, Division of Extramural Activities and Training Officer

**National Institute of Allergy and Infectious Diseases**  
Diane Adger Johnson  
Program Analyst

**National Institute of Biomedical Imaging and Bioengineering**  
Todd Merchak  
Biomedical Engineer

**National Institute of Diabetes and Digestive and Kidney Diseases**  
Winnie Martinez  
Program Analyst, Office of Minority Health Research Coordination  
Program Officer, Network of Minority Research Investigators

**National Institute of Mental Health**  
LeShawndra N. Price, PhD  
Deputy Director for Research, Office for Research on Disparities & Global Mental Health  
Chief, Mental Health Disparities

**National Institute of Neurological Disorders and Stroke**  
Alfred W. Gordon, PhD  
Associate Director for Minority Health and Research, Office Of The Director
8:00 AM – 9:30 AM
GENERAL SESSION III

Location: RNH Grand Ballroom East

Integrative Medicine combines conventional Western medicine with alternative or complementary treatments, such as herbal medicine, acupuncture, massage, biofeedback, yoga, and stress reduction techniques — all in the effort to treat the whole person. This session will offer a perspective on the directions and new priorities of the National Center for Complementary & Alternative Medicine (NCCAM) as a focal point for integrative medicine and how NCCAM research endeavors could be more effective with a more holistic, patient-centered approach.

The documented low representation of African Americans, other minorities, and rural patients in federally funded clinical trials is no doubt contributing to health disparities. Subsequently this lack of diversity in clinical studies will substantially limit potential relevance for medically underserved patients. Further, this session will depict these disparities and the efforts taken to increase diversity in clinical trials to help close the healthcare gaps.

Claudia Baquet, MD, MPH is Professor of Medicine, Associate Dean for Policy and Planning at the University of Maryland School of Medicine.

Josephine Briggs, MD is the Director for the National Center for Complementary & Alternative Medicine at the National Institutes of Health.

Nell G. Forge, MPH, PhD is Assistant Professor and Director of the Division of Community Engagement at Charles R. Drew University of Medicine and Science.

Pat Pearman is Director of Disparity Programs and US Partnerships at General Electric Company.

Greetings
John E. Maupin, Jr., DDS, MBA
President, Morehouse School of Medicine

Keynote Presenters
Josephine Briggs, MD
Claudia Baquet, MD, MPH

Visualizing Data: Healthymagination
Pat Pearman

Moderator
Nell G. Forge, MPH, PhD
The ethnic and racial groups are disproportionately represented in women’s reproductive health disparities. African-American women have the highest mortality rates from breast cancer and cervical cancer of all population groups. Minority women are also less likely to have access to reproductive health care, including medically appropriate contraceptives, annual gynecological exams, and prenatal care. Presentations in this session will address issues pertaining to women’s health, especially those of prevalence in minority populations, included but not limited to fibroids, infertility, and menopause-associated problems.

Moderator
Winston T. Thompson, PhD

Plenary Lecturer
Ayman Al-Hendy, MD, PhD

Oral Abstract Presenters

11.01.12 – INFLAMMATION DEPENDENT EXPRESSION OF CD55 ISOFORMS IN MONOCYTES
Michael G. Izban
Meharry Medical College

11.01.06 – VITAMIN D3 REGULATES BOTH ER AND PR PROTEINS IN UTERINE LEIOMYOMA CELLS
Sunil K. Halder, PhD
Meharry Medical College

11.01.13 – HYSTEROSCOPIC IMPACT ON OUTCOME OF INTRACYTOPLASMIC SPERM INJECTION
Mohamed Abdel-Raheem, MD, MSc
Meharry Medical College

11.02.01 – PROHIBITIN (Phb1)-MEK-EXTRACELLULAR SIGNAL-REGULATED KINASE 1/2 (ERK1/2) SINGALING PATHWAY IS ESSENTIAL FOR MITOCHONDRIAL DEPENDENT SURVIVAL OF RAT GRANULOSA CELLS (GCs)
Indrajit Chowdhury, PhD
Morehouse School of Medicine

Ayman Al-Hendy, MD, PhD is Scientific Director, Center for Women’s Health Research, Professor and Vice Chair, Department of Obstetrics and Gynecology at Meharry Medical College.

Winston T. Thompson, PhD is Associate Professor, Obstetrics and Gynecology at Morehouse School of Medicine.
9:45 AM – 11:45 AM
CONCURRENT SCIENTIFIC SESSION 8
Alternative Medicine
Location: NCC 204

There is substantial and grown use of Complementary and Alternative Medicine (CAM) in the United States. Increased integration of CAM modalities with the conventional healthcare system may help overcome some of the barriers to use of conventional medical services for minority populations, potentially enhancing access for minority populations to proven therapies. This session will include research results on some of these modalities and will discuss how elimination of health disparities could potentially be achieved by supporting research into the health behaviors of racial and ethnic minority populations, thereby supporting culturally competent health care.

**Moderators**
Marcia R. Cruz Correa, MD, PhD
Elizabeth A. Mazzio, PhD

**Plenary Lecturer**
Adewale Troutman, MD, MPH, MA

**Oral Abstract Presenters**

01.01.06 – ALTERATIONS OF GLUTATHIONE CONTENT IN THE BRAIN OF OBESE MICE AND THE REGULATORY EFFECTS OF DIETARY SUPPLEMENT OF BAMBOO EXTRACT
Jun Panee, PhD
University of Hawaii

01.01.01 – SIRT1-PPARγ INTERACTIONS: ANTI-OBESITY TARGET OF ALTERNATIVE THERAPIES
Pratibha V. Nerurkar, PhD
University of Hawaii

01.01.07 – REDUCTION OF PLASMA CYTOKINES BY THE ACTION OF ACUPUNCTURE
Teh-Ching Chu, PhD, LAC
Morehouse School of Medicine

01.07.01 – FUNCTIONALIZED NANOPARTICLES FOR LIGAND FISHING AND ENZYME INHIBITOR SCREENING FROM MEDICINAL PLANTS
Yiming Liu, PhD
Jackson State University

Marcia R. Cruz Correa, MD, PhD is Associate Professor, Department of Medicine, Adjunct Professor, Department of Biochemistry at the University of Puerto Rico School of Medicine.

Elizabeth A. Mazzio, PhD is a Research Associate in the College of Pharmacy at Florida A&M University.

Adewale Troutman, MD, MPH, MA is the Director, University of South Florida Public Health Practice & Public Health Leadership Institute.
9:45 AM – 11:45 AM

CONCURRENT SCIENTIFIC SESSION 9
Cancer II
Location: NCC 206

Racial and ethnic disparities in the incidence, prevalence, mortality, and burden of cancer are well documented. While access to quality care is a factor in cancer disparities other factors also play a major role, including tumor biology, genetics, hormonal status, lifestyle and behavior, screening policies, co-morbidities, and environmental exposures. Findings from research on some of these factors will be emphasized in this section both from basic and clinical science aspects.

Moderators
Shawn D. Llopis, PhD
Valerie Odero-Marah, PhD

Oral Abstract Presenters

03.02.12 – KAISO: A KEY REGULATOR IN BREAST CANCER PROGRESSION
Jacqueline D. Jones
Tuskegee University

03.01.21 – THE EFFECT OF SNAIL ON CELLULAR ADHESION IN PROSTATE CANCER CELLS
Corey L. Neal
Clark Atlanta University

03.01.17 – POLYISOPRENYLATED METHYLATED PROTEIN METHYL ESTERASE: A TARGET FOR ANTICANCER THERAPY
Nazarius S. Lamango, PhD
Florida A&M University

03.01.05 – INTEGRIN αvβ3 TARGETED GOLD NANOSHells FOR TUMOR IMAGING AND THERAPY
Huan Xie
Texas Southern University

03.01.58 – AIB1 PROVIDES GROWTH ADVANTAGE IN ESTROGEN DEPRIVED BREAST CANCER
Syreeta L. Tilghman, PhD
Xavier University of Louisiana

Shawn D. Llopis, PhD is a Research Associate, College of Pharmacy, Division of Basic Pharmaceutical Sciences at Xavier University of Louisiana.

Valerie Odero-Marah, PhD is Assistant Professor of Molecular Biology at Clark Atlanta University.
11:45 AM – 1:00 PM
LUNCHEON & GENERAL SESSION IV
Health Messaging: Effective Ways to Eliminate Health Disparities
Location: NCC Exhibit Hall West

The Chief Medical Expert of Discovery Channel will discuss outcomes from his “street engagement” on knowledge of community perspectives relevant to health disparities and whether or not researchers’ messages are being translated into effective practices.

Moderator
Cesar D. Fermin, PhD

Keynote Presentation
The Role of Mass Media in the Battle Against Health Disparities
John J. Whyte, MD, MPH

Cesar D. Fermin, PhD is Associate Dean for Research and Advanced Studies, College of Veterinary Medicine, Nursing, and Allied Health at Tuskegee University.

John J. Whyte, MD, MPH is the Chief Medical Expert for the Discovery Channel.
1:30 PM – 2:45 PM
GENERAL SESSION V
Research Centers in Minority Institutions
Translational Research Network (RTRN)
Location: RNH Grand Ballroom East

This interactive session will emphasize the RTRN, a consortium of all 18 institutions which welcomes participation of researcher and community members dedicated to elimination of health disparities across the country. This session will offer the opportunity to interact with and join members of collaborative translating research clusters.

Why RTRN?
Keith C. Norris, MD

RTRN Governance: The RTRN Steering Committee
Valerie Montgomery Rice, MD

What the Data and Technology Coordinating Center Can Do for You
James J. Perkins, PhD

Research Clusters & Small Grants Program
Richard Yanagihara, MD, MPH
AGENDA – WEDNESDAY

2:45 PM – 4:15 PM
TRAINING WORKSHOP VI
Genome: Wide Scans for Disease and Complex Traits
Location: NCC 206

This workshop will introduce participants to genomic and comparative mapping of genomic regions for disease genes responsible for complex diseases. Software for QTL and Linkage Analysis will be introduced.

Facilitator
Ahmed Fadiel, PhD

Ahmed Fadiel, PhD is Associate Professor, Obstetrics and Gynecology and Director, Meharry Center for Bioinformatics at Meharry Medical College.

Raphael D. Isokpehi, PhD is Research Assistant Professor and Director for Bioinformatics, College of Science, Engineering, and Technology at Jackson State University.

Genomic and Comparative Mapping
Genome-Wide Association Study
Software for Genetics and Population Genomics
Raphael D. Isokpehi, PhD
2:45 PM – 4:15 PM

**TRAINING WORKSHOP VII**

Power Analysis and Sample Size Calculation

**Location: NCC 205**

This intensive workshop is intended to provide postdoctoral clinical fellows with hands-on experiences that will prepare them to design a research protocol for a quantitative study (e.g., clinical trial). It will be taught by an experienced biostatistician who will work with fellows to clarify their research questions and develop their study designs. Sample size calculation is a more complex topic than can be covered in-depth here, but there are several key items you should start thinking about before you consult with a statistician or other researcher familiar with sample size calculations.

**Moderator / Discussant**

*Jae Eun Lee, DrPH*

**Study Design and Power Analysis**

*Jimmy T. Efird, PhD*

Center for Native and Pacific Health Disparities Research
Research Corporation (University of Hawaii)
Center for Health of Vulnerable Populations (University of North Carolina)

**Communication Issue**

*Jae Eun Lee, DrPH*

RTRN Data and Technology Coordinating Center at Jackson State University
AGENDA – WEDNESDAY

2:45 PM – 4:15 PM
TRAINING WORKSHOP VIII

REDCap
Location: NCC 204

REDCap (Research Electronic Data Capture) is a secure, web-based application designed exclusively to support data capture for research studies. This workshop will provide attendees with an overview of: 1) an intuitive interface for data entry (with data validation); 2) audit trails for tracking data manipulation and export procedures; 3) automated export procedures for seamless data downloads to common statistical packages (SPSS, SAS, Stata, R); 4) procedures for importing data from external sources; and 5) advanced features, such as branching logic and calculated fields.

Facilitator
Paul A. Harris, PhD

Data Planning for Clinical and Translational Research
Paul A. Harris, PhD
Vanderbilt University

REDCap: Practical Tools for Research Data Planning, Collection, and Management
Paul A. Harris, PhD

REDCap Consortium: A Model of Collaboration Supporting Research Around the World
Jose G. Conde, MD, MPH
University of Puerto Rico
2:45 PM – 4:15 PM
TRAINING WORKSHOP IX
Community-Based Participatory Research
Location: NCC Exhibit Hall West

The Community-Based Participatory Research Workshop will expose participants to the principles of community-based participatory research (CBPR) and will highlight strategies to engage and foster collaborative partnerships with community members, community-based organizations, and service agencies. This workshop will also describe CBPR research and evaluation methodologies to support scientific rigor. Examples of CBPR collaborative projects will be discussed.

Facilitators
Nell G. Forge, MPH, PhD
Donna Antoine La-Vigne, PhD, MPH, MSEd

Part I
Introduction to Community-Based Participatory Research

Part II
Strategies to Engage and Foster Collaborative Community Partnerships

Part III
Community-Based Participatory Research Models and Evaluation Tools

Part IV
Case Studies of Community-Based Participatory Research

Part V
Discussion

Nell G. Forge, MPH, PhD is Assistant Professor and Director of the Division of Community Engagement at Charles R. Drew University of Medicine and Science.

Donna Antoine La-Vigne, PhD, MPH, MSEd is Associate Director for the Jackson Heart Study Community Partnership / Outreach Office.
AGENDA – WEDNESDAY

2:45 PM – 4:15 PM

TRAINING WORKSHOP X
Research Centers in Minority Institutions
Translational Research Network Eagle-i Project
Location: RNH Grand Ballroom East

This informative session will highlight the prototype of a national research resource discovery network that will help biomedical scientists search for and find previously invisible, but highly valuable, needed resources. Further, this session will offer RTRN scientists the opportunity to learn about RTRN’s approach to improving the means for collaboration and also add / update their profile in the RCMI Scientists Directory.

Eagle-i
Richard V. Pearse, II, PhD

Profiles
Andrew L. Dent, II
4:15 PM – 6:00 PM

POSTER SESSION II
Poster and Podium Presentations
Location: NCC Exhibit Hall West

The objective of the poster session is to foster and encourage discussion and debate of important scientific questions relevant to the major themes of the session. Secondary objectives include providing specific feedback to the authors concerning their data and its interpretation and to foster interchange between the presenters and observers of the poster material. Authors are given a specific time to be present at their posters, during which the viewers can discuss the work with them on a one-to-one or small group basis. Some posters representing hot and timely topics will be selected for a 5-minute formal discussion and podium presentation.

See page 66 for voting on “Best of Show.”

Moderators
Pratibha V. Nerurkar, PhD
Thomas E. Weise, PhD

Poster Overviews
Alternative Medicine
Cancer
Reproductive Health
Non-HIV Infectious Disease
Other

Pratibha V. Nerurkar, PhD is Associate Professor, Laboratory of Metabolic Disorders and Alternative Medicine, MBBE/CTAHR, University of Hawaii.

Thomas E. Weise, PhD is Associate Professor, Xavier University of Louisiana.
6:00 PM – 8:30 PM
DINNER & GENERAL SESSION VI
RTRN Research Cluster
Discussions & Networking
Location: RNH Grand Ballroom East & Center

The RTRN Research Clusters promote research collaborations between RCMI institutions and other organizations. The RTRN Committees and working groups support a variety of research activities such as biostatistics, bioinformatics, and data management which are critical in the operation of the network. The RTRN Research Cluster Discussion and Networking Dinner will provide research collaborators with new avenues to develop partnerships, share current opportunities for research, and promote the importance of the RTRN Network.

Cluster Name Badge Identifiers

- Biomedical Informatics / Technology Transfer: Neon Red
- Cancer: Dark Blue
- Cardiovascular Related Diseases: Black
- Community Engagement: Neon Orange
- Gene & Environmental Health/Toxicology: Orange
- HIV, AIDS, and Infectious Diseases: Green
- Neurological Diseases and Mental Health: Light Blue
- Obesity and Metabolic Diseases: Yellow
- Women's & Reproductive Health: Red

NIH Program Officers

- **Centers for Disease Control and Prevention**
  Sharrice White-Cooper, MPH
  Prevention Research Centers Program

- **National Institutes of Health**
  Henry Khachaturian, PhD
  Health Scientist Administrator, Office of Director

- **National Center for Complementary and Alternative Medicine**
  Linda C. Duffy, PhD
  Program Officer, DER, Natural Products Branch

- **National Cancer Institute**
  Carmen P. Moten, PhD, MPH
  Program Director, Diversity Training Branch - Center to Reduce Cancer Health Disparities

- **National Center for Research Resources**
  Steven Birken, PhD
  Scientific Review Officer, Office of Review

- **National Institute on Aging**
  Liming Yang, PhD
  Program Officer, Division of Biomedical Technology

- **National Institute of Diabetes and Digestive and Kidney Diseases**
  Winnie Martinez
  Program Analyst

- **National Institute of Biomedical Imaging and Bioengineering**
  Todd Merchak
  Biomedical Engineer

- **National Institute of Biomedical Imaging and Bioengineering**
  LeShawndra N. Price, PhD
  Deputy Director for Research, Office for Research on Disparities & Global Mental Health

- **National Institute of Mental Health**
  David M. Stoff, PhD
  Program Chief, Neuropsychiatry of HIV/AIDS, AIDS Research Training, HIV/AIDS Health Disparities Center for Mental Health Research on AIDS

- **National Institute of Neurological Disorders and Stroke**
  Alfred W. Gordon, PhD
  Associate Director for Minority Health and Research, Office Of The Director
Data and Technology Coordinating Center (DTCC)

Academic researchers and community partners collaborating through technology and health science innovation to reduce health disparities

- Provide protocol development, Manual of Procedures (MOP) development, enrollment monitoring and retention
- Provide multi-media tools to enhance inter-institutional research collaborations
- Provide a safe, secure and regulated environment for storing and managing data
- Assist in developing the statistical section of research proposals which includes sample size calculations, randomization schemes and detailed statistical analysis plans
- Assist in developing scientific manuscripts and ancillary studies using large data sets such as Jackson Heart Study and NHAMES
- Assist in generating the final clinical study reports, publications and presentations

RTRN Data and Technology Coordinating Center (DTCC) congratulates RCMI on 25 years of outstanding work in health science research.
6:45 AM – 7:45 AM
BREAKFAST NETWORKING SESSION III
Meet the Experts
Location: RNH Grand Ballroom Center

During this session, experts will meet with symposium attendees to share in their designated area. Discussions will include agency funding opportunities surrounding the designated health thematic areas, advice on networking and establishing successful collaborations within both the RCMI community and the broader NIH community. Experts will be ready to answer questions and offer practical solutions to research focused areas of interests in a 45-minute roundtable discussion.

Cluster Name Badge Identifiers

- Biomedical Informatics / Technology Transfer ............ Neon Red
- Cardiovascular Related Diseases................................. Dark Blue
- Community Engagement........................................... Black
- Gene & Environmental Health/Toxicology................. Orange
- HIV, AIDS, and Infectious Diseases.............................. Green
- Neurological Diseases and Mental Health.................. Light Blue
- Obesity and Metabolic Diseases ................................. Yellow
- Women’s & Reproductive Health............................... Red

AGENDA – THURSDAY

NIH Program Officers

- Centers for Disease Control and Prevention
  Sharrice White-Cooper, MPH
  Prevention Research Centers Program

- National Institutes of Health
  Henry Khachaturian, PhD
  Health Scientist Administrator, Office of Director

- National Center for Complementary and Alternative Medicine
  Linda C. Duffy, PhD
  Program Officer, DER, Natural Products Branch

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  Carmen P. Moten, PhD, MPH
  Program Director, Diversity Training Branch - Center to Reduce Cancer Health Disparities

- National Center for Research Resources
  Steven Birken, PhD
  Scientific Review Officer, Office of Review

- National Institute on Aging
  Chyren Hunter, PhD
  Deputy Director, Division of Extramural Activities and Training Officer

- National Institute of Allergy and Infectious Diseases
  Diane Adger Johnson
  Program Analyst

- National Institute of Biomedical Imaging and Bioengineering
  Todd Merchak
  Biomedical Engineer

- National Institute of Diabetes and Digestive and Kidney Diseases
  Winnie Martinez
  Program Analyst, Office of Minority Health Research Coordination
  Program Officer, Network of Minority Research Investigators

- National Institute of Mental Health
  LeShawndra H. Price, PhD
  Deputy Director for Research, Office for Research on Disparities & Global Mental Health
  Chief, Mental Health Disparities

  David M. Staff, PhD
  Program Chief, Neuropsychiatry of HIV/AIDS, AIDS Research Training, HIV/AIDS Health Disparities Center for Mental Health Research on AIDS

- National Institute of Neurological Disorders and Stroke
  Alfred W. Gordon, PhD
  Associate Director for Minority Health and Research, Office Of The Director
8:00 AM – 9:30 AM
GENERAL SESSION VII
Reducing and Eliminating Health Disparities
Location: RNH Grand Ballroom East

Racial and ethnic minorities receive a lower quality health care than non-minorities. This session will provide an assessment of the extent of racial and ethnic differences in health care; evaluation of the potential sources of these disparities; and will provide recommendations regarding interventions to eliminate healthcare disparities.

Knowledge explosion in genome based analyses of health disparities is impacting the expansion and exploration of Genomics to Society. The audience will learn how the development of genome-wide variation resources have allowed for exploring the science, as well as the cultural, ethical, legal, and social implications of genome variation research in health disparities and personalized medicine.

Moderator
Charles P. Mouton, MD

Keynote Presentation
Effectively Addressing Social Disparities in Health: Challenges and Opportunities
David R. Williams, PhD, MPH

Keynote Presentation
Genomes to Society: Personalized Medicines for Diverse Populations
Georgia M. Dunston, PhD

Georgia M. Dunston, PhD is Professor and Founding Director of the National Human Genome Center at Howard University College of Medicine.

Charles P. Mouton, MD is Dean, School of Medicine at Meharry Medical College.

David R. Williams, PhD, MPH is Professor of Public Health in the Department of Society, Human Development, and Health at Harvard University.
AGENDA – THURSDAY

9:45 AM – 11:45 AM
GENERAL SESSION VIII
Bridging Science and Public Policy: A Panel Discussion
Location: RNH Grand Ballroom East

The Honorable Donna Christensen, MD represents the United States Virgin Islands in the 112th Congress. Congresswoman Christensen is the 1st Vice Chair of the Congressional Black Caucus and is Chair of the Congressional Black Caucus Health Braintrust.

Zoe H. Hammatt, JD, MPhil is an Ethics and Regulatory Specialist at the University of Hawaii.

James E.K. Hildreth, MD, PhD is Director, Center for Health Disparities Research in HIV at Meharry Medical College.

Rueben C. Warren, DDS, MPH, DrPH, MDiv is Director, Center for Bioethics in Research and Health Care at Tuskegee University.

Carmen D. Zorrilla, MD is Professor of Obstetrics and Gynecology at the University of Puerto Rico.

Panelists
Congresswoman Donna Christensen, MD
James E.K. Hildreth, MD, PhD
Rueben C. Warren, DDS, MPH, DrPH, MDiv
Carmen D. Zorrilla, MD

Moderator
Zoe H. Hammatt, JD, MPhil
LUNCHEON & GENERAL SESSION IX
Achieving Health Equity: Challenges, Opportunities, and Action
Location: RNH Grand Ballroom East & Center

Promoting the conditions that support health and prevent disease is a fundamental value of public health. Certain social groups, whether defined by gender, race/ethnicity, income, education, or region, however, experience dramatically different levels of health. There is growing empirical evidence that racial and ethnic health disparities cannot be eliminated without addressing the social environment and living conditions that contribute to the disproportionate burden of death and morbidity in communities of color in the U.S. In this presentation, the leading causes of death and disease in racial and ethnic communities will be described as CDC priorities or “winnable battles,” which include strategies to tackle these leading causes of death, will be discussed. The presentation will also outline details of effective community programs and an exploration of the intervention research needed to advance the goal of achieving health equity.

Moderator
Barbara Hayes, PhD

Keynote Presentation
Leandris C. Liburd, PhD, MPH, MA
AGENDA – THURSDAY

1:45 PM – 3:45 PM

CONCURRENT SCIENTIFIC SESSION 10
Obesity and Metabolic Syndrome
Location: NCC 204

This session will focus on atherosclerotic cardiovascular disease (ASCVD) as the foremost physical consequence of obesity. A public health approach to the problem of obesity as it relates to social responsibility of the individual is to recognize the underlying causes of obesity and modify behavior to reduce the personal burden of obesity.

Moderators
Adelia C. Bovell-Benjamin, PhD
Kristine M. Garza, PhD

Plenary Lecturer
Herman A. Taylor, Jr., MD, MPH

Oral Abstract Presenters

09.01.01 – THERAPEUTIC MODULATION OF OBESITY AND HEPATIC STEATOSIS IN MICE
Indrani Sinha-Hikim, PhD
Charles R. Drew University of Medicine and Science

09.02.01 – SITAGLIPTIN VS. THIAZOLIDINEDIONES AS A THIRD-LINE ORAL ANTI-HYPERGLYCEMIC AGENT IN TYPE 2 DIABETES MELLITUS
Magda Shaheen, MD
Charles R Drew University of Medicine and Science

09.01.09 – SALUTARY EFFECT OF BITTER MELON ON LIPIDEMIA VIA LIVER AMPK REGULATION
Gideon Kipkoech Kipyakwai, MS
University of Hawaii

09.01.03 – NMR OF LIGAND INTERACTIONS OF ADIPOCYTE FATTY ACID-BINDING PROTEIN
Samar Rizk
City College of New York, City University of New York

Adelia C. Bovell-Benjamin, PhD is Research Professor, Team Lead, Food Processing and Product Development Team at the Tuskegee University NASA Center for Food and Environmental Systems for Human Exploration of Space, Department of Food and Nutritional Sciences.

Kristine M. Garza, PhD is Associate Professor, Biological Sciences at the University of Texas, El Paso.

Herman A. Taylor, Jr., MD, MPH is the Shirley Professor for the Study of Health Disparities and Principal Investigator of the Jackson Heart Study at the University of Mississippi Medical Center.
The global pandemic of HIV and AIDS continues to spread and has already claimed millions of lives. In the United States, African Americans represent 13% of the population but account for more than 50% of diagnosed AIDS cases. African-American women account for more than two thirds of AIDS cases in women in the United States. This session will cover the multi-disciplinary approach for studying HIV and AIDS, including biology, behavioral, and community outreach.

**Moderators**

Lisa R. Norman, PhD  
Eddy Rios-Olivares, PhD

**Plenary Lecturer**

Ann A. Kiessling, PhD

**Oral Abstract Presenters**

**06.02.18 – THE EFFECTS OF HIV AND METHAMPHETAMINE ON GLUTATHIONE METABOLISM IN THE CENTRAL NERVOUS SYSTEM**  
Jun Panee, PhD  
University of Hawaii

**06.03.03 – COMFORT DISCUSSING SAFER SEX, DISCUSSING SAFER SEX AND CONDOM USE WITH STEADY AND NON-STEADY SEX PARTNERS: AN ANALYSIS OF WOMEN LIVING IN PUBLIC HOUSING IN PONCE, PR**  
Lymari Cintron  
Ponce School of Medicine

**06.04.02 – WHAT DO JUNIOR INVESTIGATORS NEED TO CONDUCT TRANSLATIONAL RESEARCH?**  
Carmen D. Zorrilla, MD  
University of Puerto Rico School of Medicine

**06.01.12 – PROPAGATION OF ARCHETYPE HUMAN POLYOMAVIRUS JC (JCV) IN A CELL CULTURE SYSTEM**  
Nelson Lazaga  
University of Hawaii
AGENDA – THURSDAY

1:45 PM – 3:45 PM
CONCURRENT SCIENTIFIC SESSION 12
Biomedical Informatics
Location: NCC 206

The Biomedical Informatics encompasses bioinformatics, clinical informatics, and public health informatics. Bioinformatics focuses on methods for relevance to basic biology, clinical informatics focuses on methods relevant to patient care, and public health informatics focuses on methods relevant to entire health systems. This session will emphasize how the NCRR-funded Biomedical Informatics Research Network (BIRN) uses emerging technologies to enhance collaborative efforts that integrate data, expertise, and unique technologies from research centers across the country.

Moderators
Ahmed Fadiel, PhD
Berhanu Tameru, MSc, PhD

Plenary Lecturers
NCRR Biomedical Informatics Networks and Minority Research Institutes
Carl Kesselman, PhD and Liming Yang, PhD

Genome-Phenome Correlation Using Phenotype Data Derived from Electronic Medical Records
Daniel R. Masys, MD

Clinical Information Technologies: Patients’ Safety and Compliance
Kevin B. Johnson, MD

Oral Abstract Presenters
02.06.06 – MRCQUANT-AN ACCURATE LC/MS QUANTIFICATION
Jianquiu Michelle Zhang, PhD
University of Texas at San Antonio

02.02.01 – ENDOSCOPY TELEPRESENCE OVER HIGH-SPEED NETWORKS
Jose G. Conde, MD, MPH
University of Puerto Rico

Ahmed Fadiel, PhD is Associate Professor, Obstetrics and Gynecology and Director of the Meharry Center for Bioinformatics at Meharry Medical College.

Kevin B. Johnson, MD is Vice Chair of the Vanderbilt University Department of Biomedical Informatics.

Carl Kesselman, PhD is Professor of Industrial and Systems Engineering and a Fellow in the Information Sciences Institute (ISI) in the Viterbi School of Engineering at the University of Southern California, Professor of Preventive Medicine at the Keck School of Medicine at USC. Kesselman, Director of the Medical Information Systems Division at ISI, Director of the Center for Biomedical Informatics Systems, and PI of the NIH funded Biomedical Research Informatics Network (BIRN).

Daniel R. Masys, MD is Chair, Department of Biomedical Informatics at Vanderbilt University.

Berhanu Tameru, MSc, PhD is Associate Professor, Mathematical Epidemiology and Risk Analysis, Director, Biomedical Information Management Systems, and Director, Center for Computational Epidemiology, Bioinformatics and Risk Analysis, College of Veterinary Medicine, Nursing and Allied Health, Tuskegee University

Liming Yang, PhD is Health Scientist Administrator, Division of Biomedical Technology, National Center for Research Resources, National Institutes of Health.

02.01.06 – PREDICTING RESPONSIVENESS OF PROTEINS TO ARSENIC BINDING
Raphael Isokpehi
Jackson State University
3:45 PM – 5:45 PM
POSTER SESSION III
Poster and Podium Presentations
Location: NCC Exhibit Hall West

The objective of the poster session is to foster and encourage discussion and debate of important scientific questions relevant to the major themes of the session. Secondary objectives include providing specific feedback to the authors concerning their data and its interpretation and to foster interchange between the presenters and observers of the poster material. Authors are given a specific time to be present at their posters, during which the viewers can discuss the work with them on a one-to-one or small group basis. Some posters representing hot and timely topics will be selected for a 5-minute formal discussion and podium presentation.

See page 66 for voting on “Best of Show.”

Moderators
Carola Wenk, PhD
Teshome Yehualaeshet, DVM, PhD

Poster Overviews
Biomedical Informatics
Cancer
Obesity and Metabolic Syndrome
Other

Carola Wenk, PhD is Associate Professor, Computer Science at the University of Texas, San Antonio.

Teshome Yehualaeshet, DVM, PhD is Associate Professor at Tuskegee University.
6:30 PM – 10:00 PM

CLOSING CEREMONY

25th RCMI Anniversary Celebration

Location: RNH Grand Ballroom

This is a ticketed event. Please be certain you have purchased your ticket to attend this celebration!

Moderator
Valerie Montgomery Rice, MD

Keynote Presentation
Sidney A. McNairy, Jr., PhD, DSc

Awards, Special Honors, Closing Remarks & Final Acknowledgements

Retiring the Colors
Girl Scout Troop #188 Color Guard

Entertainment to Follow

Sidney A. McNairy, Jr., PhD, DSc is Director, Division of Research and Infrastructure and Associate Director of the National Center for Research Resources at the National Institutes of Health.

Valerie Montgomery Rice, MD is Professor of Obstetrics and Gynecology, Executive Director, Center for Women’s Health Research, and Principal Investigator, RCMI Conference Grant at Meharry Medical College.
REQUEST FOR MANUSCRIPTS

The proceedings of this meeting will be published in a special supplement issue in Journal of Health Care for the Poor & Underserved to be in print Fall of 2011. Selected abstract presenters from oral and poster sessions will be invited to submit full manuscripts for that issue. Those selectees should anticipate soon after the meeting, our request to submit a full manuscript by February 15, 2011 deadline.

The Journal of Health Care for the Poor and Underserved publishes original papers, commentaries, brief communications, reports from the field, columns, and reviews regarding the health of low-income and other medically underserved people. We welcome manuscripts. Though our concerns—health, health policy, and health care for the underserved—are universal, our focus is on North America, Central America, and the Caribbean.

Questions about the suitability of a topic should be sent to JournalQuestion@mmc.edu.

Our mailing address, telephone numbers, and fax number are:
Journal of Health Care for the Poor and Underserved
Meharry Medical College
1005 D. B. Todd Blvd. • Nashville, TN 37208
Phone: 1-800-669-1269 or (615) 327-6819 • FAX: (615) 327-6362
Editor: Virginia Brennan, PhD, MA
## POSTER LISTING

### Posters Presented in the NCC Exhibit Hall-West

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<td>Alternative Medicine</td>
<td>67</td>
<td>until 9 PM, December 8</td>
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<td>02.00</td>
<td>Biomedical Informatics</td>
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<tr>
<td>08.00</td>
<td>Neurologic and Neuropsychiatric Disorders</td>
<td>80</td>
<td>until 9 PM, December 7</td>
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<tr>
<td>09.00</td>
<td>Obesity and Metabolic Syndrome</td>
<td>82</td>
<td>until 6 PM, December 9</td>
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<tr>
<td>10.00</td>
<td>Oral Disease-Systemic Disease Associations</td>
<td>83</td>
<td>until 6 PM, December 9</td>
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<tr>
<td>11.00</td>
<td>Reproductive Health</td>
<td>83</td>
<td>until 9 PM, December 8</td>
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<tr>
<td>12.00</td>
<td>Other</td>
<td>85</td>
<td>until 6 PM, December 9</td>
</tr>
</tbody>
</table>

### OBJECTIVE

The objective of the poster session is to foster and encourage discussion and debate of important scientific questions relevant to the major themes of the session. Secondary objectives include providing specific feedback to the authors concerning their data and its interpretation and to foster interchange between the presenters and observers of the poster material.

### RATIONALE

Poster Sessions are made up of related abstracts which are presented in a poster format. Authors are given a specific time to be present at their posters, during which, the viewers can discuss the work with them on a one-to-one or small group basis. There is no formal discussion period except for the posters chosen for podium discussion.

### New This Year!

Attendees are asked to vote for up to three (3) posters per category to win the title “Best of Show.” Only one poster per category will be awarded.

### ONLINE VOTING

If voting on line, visit [http://rtn.net/rcmivoting/RCMI_votingonweb2.htm](http://rtn.net/rcmivoting/RCMI_votingonweb2.htm) and enter your top three (3) posters; click on the link for the category to see the assigned survey code. Enter three codes assigned to your top three poster choices in the specified category and submit.

For example, if submitting choices for cancer, when you click on the link, you will see 22983 on the proceeding page and then enter 3 codes assigned to the posters and click submit. **Do not delete Survey Code.**

### TEXT VOTING

If voting via text messaging, send your top three Poster Codes (each separated by a comma) to 22333.
01 ALTERNATIVE MEDICINE

01.01.02 - Poster Session II
BAMBOO EXTRACT REDUCES INTERLEUKIN 6 (IL-6) OVERPRODUCTION UNDER LIPOPOTIC CONDITIONS THROUGH INHIBITING THE ACTIVATION OF NFκBPP AND AP-1 PATHWAY
J Panee, PhD; J.K.Higa, MSc; M Berry, PhD
Department of Cell and Molecular Biology, John A. Burns School of Medicine, University of Hawaii at Manoa

01.01.03 - Poster Session II
THE INHIBITORY EFFECT OF BAMBOO EXTRACT ON MONOCYTE CHEMOTACTANT PROTEIN-1 OVERPRODUCTION UNDER LIPOPOTIC AND OBESITY CONDITIONS
J Panee, PhD; J.K.Higa, MSc; W Liu, BSc; N Chong, BSc; M Berry, PhD
Department of Cell and Molecular Biology, John A. Burns School of Medicine, University of Hawaii at Manoa

01.01.04 - Poster Session II
THE INHIBITORY EFFECT OF BAMBOO EXTRACT ON DNA DAMAGE AND TUMORIGENESIS
J Panee, PhD; TNR Ton, BSc; A Hashimoto, MSc; Y Lin, MSc; M Berry, PhD
Department of Cell and Molecular Biology, John A. Burns School of Medicine, University of Hawaii at Manoa

01.01.05 - Poster Session II
A SELECTED FRACTION OF BAMBOO EXTRACT PREVENTS LIPOPOTICITY-INDUCED OXIDATIVE STRESS IN C2C12 CELLS
J Panee, PhD; M McDermott, BSc; Z Liang, BSc; P Williams, PhD; M Berry, PhD
Department of Cell and Molecular Biology, John A. Burns School of Medicine, University of Hawaii at Manoa

01.01.08 - Poster Session II
FACILITATION OF ELECTRON TRANSFER AS NOVEL THERAPEUTIC APPROACH
Y Ren1, PhD; T Nosach,1, MS; M Ebrahim,1, MS; A Birk,4, MD; H Szehter,1, MD
Physics & Gene Center, Hunter College of the City University of New York; Pharmacology, Joan & Sanford I Weill Medical College of Cornell University

01.01.09 - Poster Session II
ANTIMICROBIAL ACTIVITY OF FOOD FLAVOR ESSENTIAL OILS
SA Deolu-Sobogun, PhD; KP Anthony, MS; MA Saleh, PhD; TX Southern University, RCMI Biosensors Biomarkers Core Facility

01.01.11 - Poster Session II
SENSITIVITY OF TAYLOR-RESISTANT CELLS TO VERNONIA AMYGDALINA EXTRACT
CB Howard, PhD; KS Cameron, PhD; BJ Hill, BS; EB Izvekigie, PhD
Jackson State University

02 BIOMEDICAL INFORMATICS

02.01.02 - Poster Session II
ON THE ESTIMATION OF MUTATION RATE BASED ON COALESCENCE GENEALOGY
A Yuan and G Chen
National Human Genome Center, Howard University and Center for Research on Genomics and Global Health, NHGRI, National Institutes of Health

02.01.03 - Poster Session II
DIFFERENTIAL GENE EXPRESSION PROFILES OF HUMAN SKIN FIBROBLASTS DERIVED FROM SETLEIS SYNDROME PATIENTS
CL Cadilla, PhD; T Takeda, MD Phd; D Sensor, PhD; Y Ge, Phd; HL Franco, BS; J Casas Novas, BS; J Renta, MS; RI Desnick, MD PhD
University of Puerto Rico Medical Sciences Center (CLC, ML, JC, JR) UT Southwestern (DS), Mount Sinai School of Medicine (YGC, RB)

02.01.07 - Poster Session III
ANNOTATION ANALYTICS OF BRUCELLA UNIVERSAL STRESS PROTEINS
RD Iosipescu, PhD; SR Scott; Y He, PhD; WK Ayensu, MD; HP Coby, PhD
RCMI-Center for Environmental Health, College of Science, Engineering and Technology, Jackson State University (RDI, SRS, HRPC); Department of Biology Jackson State University (WKA); Department of Microbiology and Immunology, University of Michigan (YH)

02.01.08 - Poster Session III
STRUCTURAL MODEL OF ANTHRANILATE SYNTHASE FROM SMYMTOMYCES VENEZUELAE
JZ Hu, PhD; C Lingassy, MS; WM Southerland, PHD
Howard University (JZH, GL, WMS)

02.01.09 - Poster Session III
INCORPORATING THE ANALYTICAL FUNCTION INTO A CUSTOMIZED DATA RETRIEVAL SYSTEM
K Talsania
Jackson State University

02.01.01 - Poster Session III
PROCUREMENT OF SHARED DATA INSTRUMENTS FOR RESEARCH ELECTRONIC DATA CAPTURE (REDCAP)
JS Conde, MD MPH; JS Obied, MD; C McGraw; R Pawluk; BM; J Wang; SKnanks; T Ferris, MD MS; S Shenphill, MS; ALin; R Schuff, MS; B Wong, PhD; E Wood, MS; R Taylor; PA Harris PhD
University of Puerto Rico (JGC),Medical University of South Carolina (JSO), University of Cincinnati (CM), Mayo Clinic (RP ML), Vanderbilt University (BM JW, PAMH), University of Texas at Austin (SB), Stanford University (TF), Case Western Reserve University (SH), Oregon Health & Science University (RS), University of Utah (BW), Weill Cornell Medical College (EWF)
02.02.04 - Poster Session III SUPPORTING NETWORK CLINICAL RESEARCH: ELECTRONIC DATA CAPTURE SELECTION MT Perry, MA; HD Graham, BS; ME Barnett, MD; J Perkins, PhD Jackson State University (MTP, HDG, MEB, JP)

COMMUNITY & POPULATIONS STUDIES

02.03.01 - Poster Session III HISTORICAL REPOSITORY FOR HEALTH SCIENCE INFORMATION IN PUERTO RICO AND THE CARIBBEAN BG Nieves, BBA; JG Conde, MD, MPH; CM Santos-Corrada RCMI Program, University of Puerto Rico Medical Sciences Campus (BAN, JGC), University of Puerto Rico School of Medicine (JGC); University of Puerto Rico Medical Sciences Library (CMSC)

02.03.02 - Poster Session III PERCEPTIONS OF HEALTH INFORMATION TECHNOLOGY AT COMMUNITY CLINICS SM George, PhD; B Garth, PhD; A Fish, PhD; RS Baker, MD Charlie R. Drew University of Medicine and Science (SAMF, ASB); University of Melbourne (BG)

EDUCATION

02.04.01 - Poster Session III PR BIOMEDICAL RESEARCH EDUCATION PROGRAM: A SEPA-RCMI COLLABORATION E Fernández-Repollet PhD, O García AD, C Torres, A Schwartz PhD University of Puerto Rico, School of Medicine (EFR, OG, CT, AS)

SPECIAL TECHNOLOGIES & METHODOLOGIES

02.06.01 - Poster Session III The Microarray & Bioinformatics Core @ Meharry S Pratap, PhD Dept of Microbiology, Meharry Medical College

02.06.02 - Poster Session III SIDEKICK: ENABLING EXPLORATION OF DISEASES WITHOUT COMPUTATION KA Robbins, PhD; M Doderer, PhD University of Texas at San Antonio (CS)

02.06.03 - Poster Session III LARGE DATASETS: INTEGRATING OPEN SOURCE SOLUTIONS S Patkar, MS; K Talasia, MS; MT Perry, MA; O Aldaoud, MS; JE Lee, PhD; T Hayes, MA; ME Barnett, MD; J Perkins, PhD. Jackson State University (SP, KT, MTP, OA, JEL, TH, MEB, JP)

02.06.04 - Poster Session III ESTABLISHING THE MOREHOUSE SCHOOL OF MEDICINE (MSM) R-CENTER CLINICAL AND TRANSLATIONAL RESEARCH WEB-PORTAL: THE ROLE OF FOCUS GROUPS A. Quarshie, MD; A. Davis, PhD; G. Strayhorn, MD; S. Sinclair; C. Weaver; C. Delano; R. Rice, PhD; E. Olibi, MD Morehouse School of Medicine (MSM) (AQ, AD, GS, SS, CW, CD, EO), Ohio State University (RR)

02.06.07 - Poster Session III SERVER VIRTUALIZATION IN COLLABORATIVE RESEARCH: A CASE STUDY R Ahmed, MS; OM Aldaoud, MS Jackson State University

02.06.08 - Poster Session III MULTI-SITE RESEARCH DESIGN FOR A TRANSLATIONAL RESEARCH NETWORK ME Barnett, MD; J Perkins, PhD Data and Technology Coordinating Center (DTCC), Jackson State University (MEB, JP)

02.06.09 - Poster Session III PROFILES AS A TOOL FOR COLLABORATION AMONG RESEARCHERS AI Dott II, BS; K Talasia, MS; OM Aldaoud, MS, ME Barnett, MD; J Perkins, PhD Jackson State University (JSU)

02.06.10 - Poster Session III INVESTIGATOR-INITIATED CLINICAL TRIALS HD Graham, BS; MT Perry, MA; ME Barnett, MD; J Perkins, PhD Jackson State University (HDG, MTP, MEB, JP)

02.06.11 - Poster Session III ENHANCING USER EXPERIENCE IN A COLLABORATIVE ENVIRONMENT BY USING USER CENTRIC DESIGN KB Korsala, MDes; OM Aldaoud, MS, ME Barnett, MD; J Perkins, PhD RCMI, Jackson State University

02.06.12 - Poster Session III A NEW METHOD FOR REDUCING DISPARITIES IN RESEARCH RESOURCES WITHIN RCMI NETWORK S. Talbi, PhD; J. Perkins, PhD Data Technology Coordinating Center, Jackson State University

02.06.13 - Poster Session III AN EFFICIENT COMPUTING INFRASTRUCTURE FOR COMPUTATIONAL SYSTEMS BIOLOGY AT THE UNIVERSITY OF TEXAS AT SAN ANTONIO Z. Wang1, M.S.; J. Bowler1,2, PhD; K.A. Robbins1, PhD; F. Santamaria1, PhD; Y. Wang1, PhD; C. Wenk1, PhD 1University of Texas at San Antonio, San Antonio, TX, 2University of Texas Health Science Center at San Antonio

02.06.14 - Poster Session III BREAKING THE COMPUTATIONAL BARRIER: A DIVIDE-CONQUER AND AGGREGATE BASED APPROACH FOR ALU INSERTION SITE CHARACTERIZATION K. Zhang, PhD; W. Fan, PhD; F. Deininger, PhD; A. Edwards, PhD; D. Zhu, PhD Xavier University of Louisiana (KZ, AE); IBM T.J. Watson Center (WF); Tulane Cancer Center (PD); University of New Orleans (OZ)

02.06.15 - Poster Session III AN EFFICIENT COMPUTING INFRASTRUCTURE FOR COMPUTATIONAL SYSTEMS BIOLOGY AT THE UNIVERSITY OF TEXAS AT SAN ANTONIO Z. Wang1, M.S.; J. Bowler1,2, PhD; K.A. Robbins1, PhD; F. Santamaria1, PhD; Y. Wang1, PhD; C. Wenk1, PhD 1University of Texas at San Antonio, San Antonio, TX, 2University of Texas Health Science Center at San Antonio

02.07.01 - Poster Session III DIRECT DOWNLOAD INTERFACE DEVELOPMENT FOR RESEARCH DATABASE LK Milhair Sauvage, MD; J. Abdou, BS; B Patelesio; O Sonoda; and PL Bullard, BA; John A. Burns School of Medicine, University of Hawaii (LMS, ICA, PLB) and Kapiolani Medical Center for Women and Children (BP, DS)

02.07.02 - Poster Session III FITBABY: A MOBILE APPLICATION FOR PARENTS OF PRETERM INFANTS KG Cheng, PhD; GR Hayes, PhD; SH Hirano, BS; LS Liu, BS; ME Tentori, PhD; SM George, PhD; DE Baker, BSN; MC Nagel, PhD Charles Drew University of Medicine and Science (KGC, SMG); University of California, Irvine (GRH, SHH, LSL, MET); Children’s Hospital of Orange County (DEB, MCD)

02.07.03 - Poster Session III EPIDEMIOLOGIC DATA ANALYSIS OF 2009 (H1N1) VIRUS OUTBREAK IN THE US E. Abdalla1, B. Tameru, T. Habtemariam, D. Nganwa, A. Bogale, G. Gerbi, V. Robnett Center for Computational Epidemiology, Bioinformatics and Risk Analysis (CEBRA), College of Veterinary Medicine Nursing and Allied Health (CVMNAH), Tuskegee University

03.01.01 - Poster Session II ESTROGEN-MEDIATED PROLIFERATION OF BREAST CANCER CELLS REQUIRES MDM2 TO BYPASS THE G1 CHECKPOINT Angelika Brekman1, 2, Kathryn E. Talbott1, Alla Polotskaia1 and Jill Bargonetti1,2. 1The Institute for Biomolecular Structure and Function and Department of Biological Sciences Hunter College and 2The Graduate Center of the City University of New York. New York, NY

03.01.02 - Poster Session II ROLE OF FETUIN-A IN CANCER Josiah Ochieng, Bobby Guillory, Amos Sakwe, Rainelli Koumangoye and Pamela Thompson. Department of Biochemistry and Cancer Biology, Meharry Medical College

03.01.03 - Poster Session II INDUCTION OF DRUG-RESISTANCE IN BREAST CANCER CELLS BY SUG MK Mital, PhD; G Chaudhuri, PhD Meharry Medical College

03 CANCER

03 BASIC SCIENCE

03.01.01 - Poster Session II ESTROGEN-MEDIATED PROLIFERATION OF BREAST CANCER CELLS REQUIRES MDM2 TO BYPASS THE G1 CHECKPOINT Angelika Brekman1, 2, Kathryn E. Talbott1, Alla Polotskaia1 and Jill Bargonetti1,2. 1The Institute for Biomolecular Structure and Function and Department of Biological Sciences Hunter College and 2The Graduate Center of the City University of New York. New York, NY

03.01.02 - Poster Session II ROLE OF FETUIN-A IN CANCER Josiah Ochieng, Bobby Guillory, Amos Sakwe, Rainelli Koumangoye and Pamela Thompson. Department of Biochemistry and Cancer Biology, Meharry Medical College

03.01.03 - Poster Session II INDUCTION OF DRUG-RESISTANCE IN BREAST CANCER CELLS BY SUG MK Mital, PhD; G Chaudhuri, PhD Meharry Medical College

03 CANCER

03 BASIC SCIENCE
03.01.06 - Poster Session II  
**LIVE-CELL IMAGING ASSAY FOR HIGH-THROUGHPUT SCREENING OF CYTOTOXIC COMPOUNDS**  
RJ Aguiler, PhD; C Lema, PhD; A Varela-Ramirez, PhD. Cell Culture and High Throughput Screening Core Facility of the Border Biomedical Research Center and Department of Biological Sciences (RJA, CL, AVR), at The University of Texas at El Paso

03.01.08 - Poster Session II  
**CHRONIC STRESS EFFECTS ON PROSTATE CANCER PROGRESSION**  
KL Gosselin, PhD; IA Saez, BS, BM Castellanos; EA Sakk, PhD; JR Zavala, BS  
The University of Texas at El Paso (KLG, LAS, MMC, JKZ), Morgan State University (EAS)

03.01.09 - Poster Session II  
**DESIGN, SYNTHESIS, AND BIOLOGICAL EVALUATION OF DAIDZEIN ANALOGUES AS ANTI-ESTROGENS IN MCF-7 BREAST CANCER CELLS**  
G Wang, PhD; Q Jiang, MS; F Payton-Stewart, PhD; S Elliott, MS; J Driver, MS; LV Rhodes, PhD; Q Zhang, BS; Z Zheng, PhD; D Bhattachar, PhD; SM Boue, PhD; BM Collins-Burow; MD; J Srithar, PhD; C Stevens, PhD; JA McLachlan, PhD; TE Wiese, PhD; ME Burow, PhD  
Xavier University (GW, QF, FF, QZ, CS, TEW); Tulane University School of Medicine (SE, JD, LVR, BMC, JAM, MEB); USDA Regional Research Center (DB, SMB); CombPhos Catalysts, Inc (S2)

03.01.10 - Poster Session II  
**THE ROLE OF NEUREGULINS AS REGULATORS OF EPIDERMAL GROWTH FACTOR (EGF)**  
M Perez-Torres, PhD; MM Malave, MS, L Negron-Vega, PhD; EM Cora, PhD  
University of Puerto Rico Medical Sciences Campus (MPT, MMM, LNN, EMCI)

03.01.11 - Poster Session II  
**MOLECULAR MECHANISMS OF GARLIC EXTRACT (GE)**  
**As Anticancer Agent in the Management of Acute Promyelocytic Leukemia: Involvement of Oxidative Stress, Phosphatidylserine Externalization, Caspase-3 Activation, and DNA Fragmentation**  
C Yedjou, and P.B. Tchounwou  
Cellomics and toxicogenomics Research Laboratory, NIH–Center for Environmental Health, College of Science, Engineering and Technology, Jackson State University

03.01.12 - Poster Session II  
**MECHANISM OF GROWTH INHIBITION BY ELK-1 IN PROSTATE CANCER CELLS**  
G K Bhat +, PhD; Y Chai +, MD, PhD; K Ayoola +, MS; J Cui, MD; J. Xu, MD; A Reddy; C Okoli; BS; R Matthews, MD; V Bond, PhD; MD; E S P Reddy, PhD; V N Rao, PhD  
Cancer Biology Program, Department of OB/GYN, Morehouse School of Medicine, Georgia Cancer Center for Excellence. +Presenting author. *First authors.

03.01.13 - Poster Session II  
**THERAPEUTIC IMPLICATIONS OF THE WARBURG EFFECT: ASSESSING THE SURVIVAL OF MRC-5 AND AS49 CELL LINES UPON EXPOSURE TO NATURAL ORGANICS**  
1O Farah, Ph.D.; and VL Lewis, MS  
Department of Biology, Jackson State University

03.01.14 - Poster Session II  
**STRUCTURE-BASED DRUG DESIGN: SALVIANOLIC ACID B AS CYCOLOXGENASE-2 INHIBITOR**  
Y-Y Fang, PhD; Y Hao, PhD; Y Zhao, MS; G. M. Lingani, MS; X Gu, PhD; W. M. Sutherland, PhD  
Howard University College of Medicine, Department of Biochemistry and Molecular Biology(YF, GML, WMS); Howard University College of Dentistry, Department of Oral Diagnostic Service(YH, YXG)

03.01.15 - Poster Session II  
**SNAIL TRANSCRIPTION FACTOR CONTRIBUTES TO PROSTATE CANCER TUMOR PROGRESSION VIA REACTIVE OXYGEN SPECIES**  
PETRINA K. BARNETT, B.S; Rebecca S. Arnold, PhD; Roman Menzenev, PhD; Kousik Kundu, PhD; Tamaro Hudson,PhD; Niren Murthy,PhD; Leiland W. K. Chung, PhD; Mapal Zayzakhooon, MD; and Valerie Odero–Marah, PhD  
Center for Cancer Research and Therapeutic Development, Clark Atlanta University, Atlanta, Georgia (PKB, VOM); Department of Pathology, Emory University School of Medicine (RSA); Department of Biology, Georgia Institute of Technology (RM); Department of Biotechnology, Georgia Institute of Technology (KK, NM); Department of Medicine, Howard University (TH); Molecular Urology and Therapeutics Program, Department of Urology and Winship Cancer Institute, Emory University School of Medicine (LUWC); Department of Pathology, University of Alabama at Birmingham (M2)

03.01.16 - Poster Session II  
**EFFECTS OF SYNTHETIC PEPTIDES ON CULTURED BREAST CANCER CELLS**  
F Davis, BS; M Henderson, MS; R Garrison; J Jaynes, PhD; M Martinez, PhD  
Tuskegee University (FD, MH, RG, JJ, MM)

03.01.17 - Poster Session II  
**SNAIL TRANSCRIPTION FACTOR IN CORRELATION WITH DOWNSTREAM ERK AND AKT SIGNALING PATHWAYS REGULATE IN LNCAP PROSTATE CANCER CELLS**  
DN McKeithen, MPH; C Morrissey, PhD; X Zhang; VA Odero–Marah, PhD  
Clark Atlanta University (DNM, VAO);University of Washington (CM, XZ)

03.01.18 - Poster Session II  
**IDENTIFYING MARKERS OF PROSTATE CANCER IN A HISPANIC GROUP**  
M Inzarry-Ramirez, PhD; J Salgado, MS; L Guerrios, MD; J Pérez, PhD; J S White, PhD  
University of Puerto Rico, Medical Sciences Campus, School of Health Professions (MJ RS); Veterans Administration Caribbean Healthcare System (EG); COBRE Core Laboratory University of Vermont School of Medicine(SW); Proteomics Core Laboratory Medical Sciences Campus, University of Puerto Rico(JP)

03.01.19 - Poster Session II  
**SNAIL NEGATIVELY REGULATES MASPIN IN HUMAN PROSTATE CANCER CELLS**  
CL Neal, BA; D McKeithen, MS; T Graham, PhD; V Odero–Marah, PhD  
Department of Biological Sciences, Clark Atlanta University (CLN, DM, VOM); Molecular Urology and Therapeutics Program, Department of Urology and Winship Cancer Institute, Emory University School of Medicine (TG)

03.01.20 - Poster Session II  
**PROTEOMIC CHARACTERIZATION OF RAPID ESTROGEN SIGNALING IN MCF-7 BREAST CANCER CELLS**  
J Zou, PhD; Q Zhang, BS; C Zhou, PhD; R Viner, PhD; J Townley, PhD; G Wang, PhD  
Xavier University of Louisiana (ZJ, QZ, C1, GT, GW); Thermo Electron (Rf)

03.01.21 - Poster Session II  
**SALVIANOLIC ACID B INHIBITS BOTH ER-α +/- BREAST CANCER CELL GROWTH**  
W Sha, MS; Y Zhou, PhD; Y Guo, PhD; FC Wang, PhD; X Gu, PhD  
Howard University (WS, YZ, FCW, XG); Tengen Biomedical Co. Ltd. (YG)

03.01.22 - Poster Session II  
**ROLE OF PROHIBITINS IN T-CELL MALIGNANCY**  
JA Ross, Ph.D.; HL Wilson, M.D.; R Canales, M.D.; A Mitra, M.S.; RA Kirken, Ph.D.  
University of Texas at El Paso (JAR, AM, RAK); Providence Memorial Hospital (HL, RC)

03.01.23 - Poster Session II  
**TUMOR OPTICAL IMAGING OF GLUCOSAMINE LINKED FLUORESCENT PROBES IN MICE**  
Korovtsov AV1, PhD; Ye Y1,2, PhD; Chen Y1, BS; Zhang F1, PhD; Huang 1, BS; Sridhar R3, PhD; Achilefu S2, PhD; Wang PC1, *, PhD  
1 Molecular Imaging Laboratory, Department of Radiology, Howard University  
2 Optical Radiology Laboratory, Department of Radiology, Washington University  
3 Department of Radiation Oncology, Howard University

03.01.24 - Poster Session II  
**31P NMR STUDY OF THE INTERACTION OF TOPO-QDs WITH MERCAPTOETHANOL**  
Korovtsov AV1, PhD; Wang Y1,2, *, PhD; Chen Y1, BS; Zhang F1, PhD; Mitchell J2, PhD; Wang PC1, *, PhD  
1 Molecular Imaging Laboratory, Department of Radiology, Howard University  
2 Nanomaterials Characterization Science Center, Howard University  
3 Department of Radiation Oncology, Howard University

03.01.25 - Poster Session II  
**CHEMICAL ANALYSIS OF VA (Vernonia amygdalina) ORGANIC COMPONENTS SHOWING ANTI-CANCER ACTIVITIES AGAINST MCF-7 CELLS**  
X Luo, PhD; L Lin, PhD; Ernest B. Ibiigbue, PhD; Ken S. Lee, PhD  
Jackson State University (XL, EBI, KSL); Guangxi University (CL)
03.01.29 - Poster Session II
SYNTHESIS OF MULTIFUNCTIONAL NANOPARTICLES FOR CANCER IMAGING
FK Wong, BS; AJ Byro, BS; V Balogh-Nair, PhD; M Alnunaie, PhD; SK Gayen, PhD
The College of the City University of New York, Department of Chemistry (FRW, AHB, VBN); Department of Physics (MA, SKG)

03.01.30 - Poster Session II
NEGATIVE REGULATION OF CYTOKINE SIGNALING IN T-LYMPHOCYTES
G Rodriguez, PhD; JA Ross, PhD; ZS Nagy, PhD; RA Kirken, PhD
University of Texas at El Paso (GR, JAR, ZSN, RAK)

03.01.31 - Poster Session II
SENSING ANIONS BY A MACROCYCLIC DINUCLEAR COPPER(II) COMPLEX
MA Hosain, PhD; JS Mendy, BS, MA Saeed, MS; FR Frnczek, PhD
Jackson State University (MAH, JSM and MAS); Louisiana State University (FRF)

03.01.32 - Poster Session II
PHOSPHOLIPASE D-MTOR SURVIVAL SIGNALS IN CANCER CELLS
D. A. Foster
Department of Biological Sciences Hunter College of the City University of New York

03.01.33 - Poster Session II
REGULATION OF MASPIN TUMOR SUPPRESSOR BY SNA1 GENE IN BREAST CARCINOMAS
BN Smith, MS; P Nagappan, PhD; T Sainili, BS; C Yates, PhD; V Odendo-Marah, PhD
Department of Biological Sciences, Clark Atlanta University (BNS, PN, TS, VOM); Department of Biology, Tuskegee University (CY)

03.01.34 - Poster Session II
LIM PROTEINS TRIP6 AND LPP MEDIATE HUMAN TELOMERE PROTECTION
SA Sheppard, MPhil; D Luayza, PhD
City University of New York Hunter College (SAS, DL)

03.01.35 - Poster Session II
THE RETINOBLASTOMA PROTEIN REGULATES WNT ACTIVITY IN MC3T3
V Vazquez-Rivera, BS; B Sosa-Garcia, MS; RJ Noel, PhD; P Santiago-Cardona, PhD
Ponce School of Medicine (VVR, BSG, RJN)

03.01.36 - Poster Session II
APOTOTIC EFFECT OF RAPAMYCN ON CANCER CELLS IS DUE TO SUPPRESSING MTORC1-INDUCED 4E-BP1 PHOSPHORYLATION
P Yellam, Y Chen, A Toschi, D.A. Foster
PY (Hunter College); YC (Hunter College); AT (Hunter College), DF (Hunter College)

03.01.37 - Poster Session II
A NOVEL PEPTIDE INHIBITOR OF ANGIOGENESIS
PS Bhattacharjha, PhD; TS Hug, BS; TK Mandal, PhD; JM Hill, PhD
Xavier University of Louisiana (PSB, TSH, TKM); LSU Health Sciences Center (JMH)

03.01.38 - Poster Session II
SALVIANOLIC ACID B SELECTIVELY INHIBITS PROSTATE BENIGN AND CANCER CELLS
Y Dong, MS; Y Hao, Ph.D; Y Zhao, MS; Y Fang, Ph.D; W Southern, Ph.D; X Gu, Ph.D
Howard University (YH, YZ, WS, XG); Shanghai TenGen Biomedical Co. Ltd (YD)

03.01.39 - Poster Session II
ZAR2: A NOVEL REGULATOR OF BRCA2 GENE EXPRESSION
S Misra, PhD; G Chaudhuri, PhD
Meharry Medical College

03.01.40 - Poster Session II
ASSOCIATION OF CD14 WITH PROSTATE CANCER IN AFRICAN AMERICAN MEN
TE Mason, MS; L Ricke-Santl, PhD; W Chen, MD; V Apprey, PhD; J Joykutty, MD; C Abaghoo, MD; R Kettles, PhD; GE Bonney, PhD; GM Dunston, PhD
Howard University College of Medicine (TEM, LIR, VA, JJ, CA, GEB, GMD); University of California Los Angeles School of Medicine (WC); University of Illinois at Chicago (RRK)

03.01.41 - Poster Session II
TGFβ MODULATED CHANGES IN VEGF EXPRESSION AND SECRETION MAY ENHANCE DISEASE PROGRESSION THROUGH AN AUTOCRINE MECHANISM
E Darrington, M Zhong, AC Millena, and S Khan
Center for Cancer Research and Therapeutic Development, and the Department of Biological Sciences, Clark Atlanta University

03.01.42 - Poster Session II
DIFFERENTIAL ROLES OF JUN FAMILY OF TRANSCRIPTION FACTORS (c-Jun, JunB and JunD) IN TGFβ EFFECTS ON PROLIFERATION OF PROSTATE CANCER CELLS
AC Millena, BVo, N Kluvea, and S Khan.
Center for Cancer Research and Therapeutic Development, and the Department of Biological Sciences, Clark Atlanta University

03.01.43 - Poster Session II
BITC-INDUCED APOPTOTIC GENES IN BREAST AND PROSTATE CANCER CELL LINES
V Bakhshesh, PhD; T Habtemarian, PhD; F Khalda, MS; T Samuel, PhD
College of Veterinary Medicine, Nursing and Allied Health; College of Veterinary Medicine, Nursing and Allied Health

03.01.44 - Poster Session II
REGULATION OF CHD5 EXPRESSION BY MICRORNA-211/130B IN COLORECTAL CANCER
C Gai, MD; A Ashktorab, PhD; DT Smoot, MD; Y Liu, MD, PhD; X Gu, PhD
Peking University (CC, YL), Howard University (HA, DTS, XG)

03.01.45 - Poster Session II
OCIMUM GRATISSIMUM EXTRACTS INDUCE STRESS AND DNA DAMAGE IN PC-3 CELLS
SI Ekwunwe, PhD; RG Bozeman, MS; TN Collins, MS; KT Turner, MS; GB Begonia, PhD
Jackson State University (SIE, KTT, GGB); The University of Texas M.D. Anderson Cancer Center (RGB); Indiana University-Purdue University in Indianapolis (TIC)

03.01.46 - Poster Session II
POSTNATAL INHIBITION OF WNT SIGNALING ENHANCES THYMIC INVOLUTION
MT Pezzano, PhD; M Osada, PhD; L Jardine, BS; R Misir, BS; T Andl, PhD and S. Miller, PhD
Department of Biology The City College of New York (MTP, MO, LJ, RM); Vanderbilt University Medical Center (TA); Departments of Dermatology and Cell & Developmental Biology University of Pennsylvania (SEM)

03.01.47 - Poster Session II
EFFECTS OF RESVERATROL AND NNK ON TUMORGENESIS IN A/J MICE
CS Mehta, PhD; Rami Nsaif, PhD
Texas Southern University

03.01.48 - Poster Session II
ROLE OF CXCR6 IN PROSTATE CANCER CELL MIGRATION, INVASION AND ADHESION
R Shing, PhD; JU Lillard Jr., Ph.D.; WE Grizzle, MD; S Singih, PhD
Morehouse School of Medicine (RS, JW, SS); University of Alabama at Birmingham (WEG)

03.01.49 - Poster Session II
REGULATION OF CHDS EXPRESSION BY MICRORNA-211/130B IN COLORECTAL CANCER
C Gai, MD; A Ashktorab, PhD; DT Smoot, MD; Y Liu, MD, PhD; X Gu, PhD
Peking University (CC, YL), Howard University (HA, DTS, XG)

03.01.50 - Poster Session II
IDS ACT AS DOWNSTREAM EFFECTORS IN THE TRANSFORMING GROWTH FACTOR-β PATHWAY IN PROSTATE CANCER CELLS
N. Strong, BS; C. Millena, MS; M. Zavarehe, BS; J. Chaudhary, Ph.D.; S. Khan, PhD
Center for Cancer Research and Therapeutic Development, and the Department of Biological Sciences, Clark Atlanta University

03.01.51 - Poster Session II
EXPRESSION OF NODAL AND NODAL RECEPTORS IN PROSTATE STEM CELLS AND PROSTATE CANCER CELLS: AUTOCRINE EFFECTS ON CELL PROLIFERATION AND MIGRATION
BT Vo and SA Khan.
Center for Cancer Research and Therapeutic Development, and the Department of Biological Sciences, Clark Atlanta University

03.01.52 - Poster Session II
EXPRESSION OF NODAL AND NODAL RECEPTORS IN PROSTATE STEM CELLS AND PROSTATE CANCER CELLS: AUTOCRINE EFFECTS ON CELL PROLIFERATION AND MIGRATION
BT Vo and SA Khan.
Center for Cancer Research and Therapeutic Development, and the Department of Biological Sciences, Clark Atlanta University

03.01.53 - Poster Session II
GARLIC ORGANOSULFIDES INHIBIT BENZO(A)PYRENE INDUCED PEROXIDATION
YM Nkrunyah-Elie, ABD; AM Hudson, BS; E Oriaku, PhD; DO Newell, ABD; LA Taylor, PharmD; D Bauer, MS; SF Darling-Reed, PhD
Basic Pharmaceutical Sciences Division, Florida A&M University College of Pharmacy and Pharmaceutical Sciences
03.01.54 - Poster Session II
KINETIC ANALYSIS OF THE PEPTIDYLGLYCINE ALPHA-AMIDATING OXONOXYGENASE (PAM) REDUCTION PHASE
CR Varner, G Malone, and NR McIntyre, PhD
Xavier University, Department of Chemistry

03.01.55 - Poster Session II
EFFECT OF LOSS/GAIN OF MX1 EXPRESSION ON CELL CYCLE IN PROSTATE CANCER
SE Gzymph, AE Knouver, BS, and J Chaudhary, PhD
Department of Biology, Center for Cancer Research and Therapeutic Development, Clark Atlanta University (SEG, AEK, JC)

03.01.56 - Poster Session II
TESTING INHIBITORS: RAPAMYCIN & DASATINIB ON BREAST CANCER CELLS VIABILITY
CHSOM ODDB: BT Casadi; R Keri
Fisk University (CO); Case Western Reserve University (BTC, RK)

03.01.57 - Poster Session II
UNDERSTANDING BASIC GENETIC DISEASES from COMPUTER BASED METHODS
PT Harris, MS and GA Hill, PhD
Jackson State University

03.01.59 - Poster Session II
ID4 ACTS AS A TUMOR SUPPRESSOR BY REGULATING MM2 IN PROSTATE CANCER
AL Evans, BS, JW Carety, BS; S Glyphy, BS; and J Chaudhary, PhD, D. Department of Biological Sciences, CCRTD, Clark Atlanta University. (ALE, JWC, SEG, JC)

03.01.60 - Poster Session II
TROGULATAZONE REGULATES c-MYC EXPRESSION WITHIN HUMAN PROSTATE CANCER CELLS
TJ Akinyeke, BS and UI Stewart, PhD
Meharry Medical College (TOA, LVS)

03.01.62 - Poster Session II
DIALLYL TRISULFIDE INHIBITS HYPOXIA-INDUCED ANGIGENESIS
RAVINDRA KUMAR, Ph.D.1; Sandra Harris-Hooker, Ph.D.2; Ritesh Kumar1 and Gary Sanford, Ph.D.1.
Department of Microbiology, Biochemistry and Immunology1, Department of Pathology2, Morehouse School of Medicine

03.01.63 - Poster Session II
2-S OLGODAENYLATE SYNTHETASE POLYMORPHISM IN AFRICAN AMERICAN AND CAUCASIAN PROSTATE CANCER PATIENTS
S K Mandal, MD; S Glyphy BS; F Abbe PhoD; J Chaudhary PhoD.
CCRTD, Clark Atlanta University

03.01.64 - Poster Session II
A BIS-THIOSEMICARBAZONE INDUCES CELL CYCLE ARREST IN LEUKEMIA CELLS
NE Etori, PhD; J Atkins, MS; SD Spencer, PhD
College of Pharmacy and Pharmaceutical Sciences Florida A & M University

03.01.65 - Poster Session III
VACCINATION OF CANCER CELLS EXPRESSING B7.1 MOLECULE SHOW AUGMENTED IMMUNE RESPONSES AGAINST TAP-NEGATIVE CANCERS
Q Zhang and SP Kaie
Department of Biology, Xavier University of Louisiana

03.01.66 - Poster Session III
THE EFFECTS OF GLYCEROLLIN I ENANTIOMERS ON ER MEDIATED GENE EXPRESSION
F Payton-Stewart, PhD; RF Khupse, PhD; SM Boue, PhD; S Elliott, BS; MC, Zimmermann, PhD; SL, Tilghman, PhD; TE, Wiese, PhD; P Erhardt, PhD; ME Burrow, PhD
Southern Regional Research Center, USDA (SMB), Tulane University School of Medicine (FPS, SE, MC2, SL, MER), University of Tampa (RSK, PE), Xavier University of Louisiana (FPS, SL, TEW)

03.01.67 - Poster Session III
INHIBITOR OF DIFFERENTIATION 4 (ID4) IS A KEY REGULATOR OF SEVERAL CELLULAR MECHANISMS IN ADVANCED PROSTATE CANCER CELL MODEL DU145, INCLUDING SENESCENCE, CELL CYCLE AND ANDROGEN RECEPTOR RESPONSE
Jason PW, Carety1, Ananthi Ariavath6,1, Oliver Galm2. Jaideep Chaudhary 1
Department of Biology, Center for Cancer Research and Therapeutics Development, Clark Atlanta University, Atlanta, GA 30314, USA.
1 Medizinische Klinik IV, Universitaetsklinikum Aachen, RWTH Aachen, Pauwelstrasse 30, 52074 Aachen, Germany. 2

03.01.68 - Poster Session III
THE IMPACT OF NRAA ORPHAN NUCLEAR RECEPTOR SIGNALING IN BREAST CANCER PROGRESSION
SD Llovs, PhD; B Rowan, PhD; CC Williams, PhD
Xavier University of Louisiana (SDL, CCW); Tulane University School of Medicine (BR)

03.01.69 - Poster Session III
ANNEXIN A6 CONTRIBUTES TO THE INVASIVENESS OF BREAST CARCINOMA CELLS BY INFLUENCING THE ORGANIZATION AND LOCALIZATION OF FUNCTIONAL FOCAL ADHESIONS
AM Sake, PhD; R Koumanyage, MS, B Guillory, MS and J Ochien, PhD
Department of Biochemistry and Cancer Biology, Meharry Medical College

03.01.70 - Poster Session III
A NEWLY POTENTIAL SENSITIZER FOR PHOTODYNAMIC THERAPY
X Zhu, PhD; R Gao, PhD
Jackson State University

03.01.71 - Poster Session III
DECREASED EXPRESSION OF CDC25A IN DIHYDROSTILBRETON TREATED FEMALE ACI RATS
LA Taylor, PharmD; OG Newell, BS; Y NE, BAD; A Hudson, BS; SF Darling-Reed, PhD; KFA Soliman PhD
Florida Agricultural and Mechanical University College of Pharmacy and Pharmaceutical Sciences

03.01.72 - Poster Session III
RESISTANCE TO APOPTOSIS IN BREAST CANCER: ROLE OF MULE/MCL-1 PROTEINS
Shehla Pervin, PhD; An Tran, BS; Lac Tran, BS; Robert Urman, PhD; Gautham Chaudhuri, MD; PhD; and Rajan Singh, PhD.
Charles R. Drew University (SP RS); David Geffen School of Medicine at UCLA (SP AT, RT, RU, GC, RS)

03.01.73 - Poster Session III
PROTECTIVE EFFECT OF SILYMARIN ON CADMUM -TREATED LIVER AND LUNG CELLS
C WEBSTER, MS; CO Odehmanni, PhD; VO Badisa, MS; LM Lintho, PhD; A Abdulmas, MS
Department of Biology, Florida A&M University

03.01.74 - Poster Session III
KNOCK DOWN OF AHR IN HUMAN BREAST CANCER CELL LINES REDUCED TUMORIGENIC PROPERTIES
G Gennifer, BS; SE Etron, PhD
Meharry Medical College

03.01.75 - Poster Session III
MOLECULAR MODELING OF PhIP AT THE ANDROGEN RECEPTORS
MM Glass; BJ Aguilar; ET Oniaku, PhD and CB Goodman, PhD
College of Pharmacy and Pharmaceutical Sciences, Florida A&M University

03.01.76 - Poster Session III
GALLIC ACID AUTOXIDATION INITIATES MITOCHONDRIAL DYSFUNCTION AND APOPTOSIS
LH Russell, BS; E Mazzio, PhD; R.B. Badisa, PhD; Z-P Zhu, PhD; and C. B. Goodman, PhD.
Florida A&M University, College of Pharmacy and Pharmaceutical Sciences, Neuropharmacology Section

03.01.77 - Poster Session III
CASTRATION RESISTANCE PROSTATE CANCER IN MOUSE MODELS
S.J. Liu, PhD; Z. Chen, PhD
Meharry Medical College

03.01.78 - Poster Session III
SNAIL1 REGULATES INVASION THROUGH UPA SIGNALING IN PROSTATE CANCER
DD Randle, BS; S Clarke, BS; V Odero-Marah, PhD
Department of Biology, Clark Atlanta University (DDR, SC, VOM)

03.01.79 - Poster Session III
REGULATION OF FRACTALKINE (CX3CL1) BY EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR) ACTIVATION IN OVARIAN CANCER CELLS
DS Son, PhD; IM Parli, BS; SM Kabir, MD; YL Dong, PhD; ES Lee, PhD
Meharry Medical College

03.01.80 - Poster Session III
NUEAR STABLE pERK1/2 IN MAMMARY CANCER STEM CELLS
S Pervin, PhD; J Tran, BS; R Urman, BS; A Tran, BS; R Singh, PhD; and T Lane, PhD.
Charles R. Drew University (SP RS); David Geffen School of Medicine at UCLA (SP AT, RT, RU, GC, RS)

Bridging the Gap between Disparity & Equity – NEW MINDS • NEW METHODS
POSTER LISTING

03.01.84 - Poster Session III
C-6 TRIAZOLYL PURINE NUCLEOSIDES AS A NEW CLASS OF THERAPEUTIC AGENTS
MK Lakshman*, PhD; MK Singh, M.Sc.
Department of Chemistry, The City College and The City University of New York

03.01.85 - Poster Session III
IMMUNOASSAY DEVELOPMENT FOR PROSTATE SPECIFIC ANTIGEN
RC Blake II, Ph.D.
Xavier University of Louisiana

03.01.86 - Poster Session III
TR3 IS A POTENTIAL MARKER OF APOPTOSIS IN OVARIAN CANCER
OB Adebayo, BA; M Keshino, BS; A J Wilson, PhD; D Khabele, MD
Meharry Medical College (OB, MK); Vanderbilt University Medical Center (AJW, DK)

03.01.87 - Poster Session III
FORMATION OF BENZO(A)PYRENE-INDUCED COLON TUMORS IN APC MIN MICE IS DECREASED BY THE ANTICARCINOGENIC COMPOUND, RESVERATROL
Ashley Huderson; M. Niaz, Ph.D; K. Washington, MD., Ph.D; A. Ramesh, Ph.D
Meharry Medical College (AH, MN,AR); Vanderbilt University (XW)

03.01.88 - Poster Session III
CLINICAL SIGNIFICANCE OF CCR9 AND CCL25 IN PROSTATE CANCER
S SINGH, PhD; R Singh, PhD; JW Lillard Jr., Ph.D.; WE Grizzle, MD
Morehouse School of Medicine (SS, RS, JWL); University of Alabama at Birmingham (WEG)

03.01.89 - Poster Session III
GLYCOLYTIC PRODUCTION OF LACTATE: AN ACID-BASE TITRATION SYSTEM IN TUMOR CELLS
E Mazzio, PhD; K Park, BS; E Taka, PhD; KFA Soliman, PhD
College of Pharmacy, Florida A & M University

03.01.90 - Poster Session III
DEVELOPING ANALYZABLE KNOWLEDGE BASES FOR BIOMEDICAL RESEARCH: THE IMMUNE RESPONSE TO COLON CANCER.
RE CASTRO JR, PhD; S Mushkerjee, MS.
Charles Drew University of Medicine and Science

03.01.91 - Poster Session III
ANCESTRY INFORMATIVE MARKERS ASSOCIATED WITH PROSTATE CANCER
L Wang, MS; DJ Marshall, MS; T Marcus, MS; S Appreley, PhD; G Bonney, MD; GM Dunston, PhD; RA Kittles, PhD
Howard University (BD, LRS, TN, VA, GB, GM,); University of Chicago (RRA)

03.01.92 - Poster Session III
ROLE OF RECO1 HELICASE IN REPAIR OF OXIDATIVE DNA DAMAGE
S Sharma (PhD), Y Guo (BS) and Y Jin (BS)
The City College of New York-CUNY

03.01.93 - Poster Session III
DIALYLYL SULFIDE INHIBITS DIETHYLSIBESTROL INDUCED BREAST TUMOR IN FEMALE ACI RATS
OG Newell, MS, L.A. Taylor, PharmD; RR Reams; PhD; KFA Soliman, PhD; SF Darling-Reed, PhD.
Florida Agricultural and Mechanical University College of Pharmacy and Pharmaceutical Sciences

03.01.94 - Poster Session III
ESSENTIAL INTRACRINE ROLE OF ANDROGENS PRODUCED BY PROSTATE CANCER CELLS
PB Dillard, PhD; ML Bozeman, BS; MF Lin, PhD; SA Khan, PhD
Center for Cancer Research and Therapeutic Development, Clark Atlanta University (PRD, MLB, SAK); University of Nebraska (MFL)

03.01.95 - Poster Session III
MITOCHONDRIAL DNA (mtDNA) ANALYSIS IN EARLY STAGES OF COLORECTAL TUMORS
G Adams, Jr., BS, T Mehreteab, MS, S Mehrabi, PhD; JA Akwe, MD, MPH; FO Akhhinboue, PhD.
Morehouse School of Medicine

03.01.96 - Poster Session III
CCL13 BLOCKADE ABROGATES PROSTATE CANCER BONE METASTASIS
R Singh, PhD, S Singh PhD, and JW Lillard Jr, PhD MBA
Morehouse School of Medicine (KS, SS, JWL)

03.01.97 - Poster Session III
REDUCING PROSTATE CANCER DISPARITIES USING XPLAD NANOPARTICLES
R Singh PhD, S Singh PhD, and JW Lillard Jr, PhD MBA
Morehouse School of Medicine (RS, SS, JWL)

03.01.98 - Poster Session III
UBIQUITIN LIGASE EDD REGULATES THE MICROSPHERULE PROTEIN Msp58
M Benavides and H Zhong
Department of Biological Sciences, Hunter College and the Graduate Center, City University of New York

03.02.01 - Poster Session III
THE EFFECTS OF MONO- AND COMBINATION -TREATMENTS OF PHYTOALKENES AND ANTIMICROTUBULE CHEMOTHERAPEUTIC AGENTS ON PROSTATE CANCER CELL PROLIFERATION AND EXPRESSION OF EMT MARKERS
BA SMITH, PhD; P Barnett, BSc; V Odero-Marah, PhD
Center for Cancer research and Therapeutic Development, Department of Biological Sciences, Clark Atlanta University (CLIN, VOM)

03.02.02 - Poster Session III
OCCURRENCE AND TRENDS OF ADVERSE DRUG EVENTS IN HOSPITAL PATIENTS
F Elzahawi, MPH; and A Elzahawi
Jackson Cotton State University

03.02.03 - Poster Session III
MICRO-RNA REGULATED EGFR EXPRESSION IN HEAD AND NECK CANCER
BR Hauser, MS; JA Califano, M.D.; X Gu, Ph.D.
Howard University College of Dentistry (BRH, XG) Johns Hopkins University (JAC)

03.02.04 - Poster Session III
PHOTOSENSITIZATION ABILITY OF THIOPURINE DNA BASES
Y Zhang, PhD; X Zhu, PhD; J Smith, BS; MT Haygood, BS; R Gao, PhD
Jackson State University

03.02.05 - Poster Session III
PHOTOSENSITIZATION ABILITY OF THIOPURINE DNA BASES
Y Zhang, PhD; X Zhu, PhD; J Smith, BS; MT Haygood, BS; R Gao, PhD
Jackson State University

03.02.06 - Poster Session III
THE EFFECTS OF MONO- AND COMBINATION -TREATMENTS OF PHYTOALKENES AND ANTIMICROTUBULE CHEMOTHERAPEUTIC AGENTS ON PROSTATE CANCER CELL PROLIFERATION AND EXPRESSION OF EMT MARKERS
BA SMITH, PhD; P Barnett, BSc; V Odero-Marah, PhD
Center for Cancer research and Therapeutic Development, Department of Biological Sciences, Clark Atlanta University (CLIN, VOM)

03.02.07 - Poster Session III
MICRO-RNA REGULATED EGFR EXPRESSION IN HEAD AND NECK CANCER
BR Hauser, MS; JA Califano, M.D.; X Gu, Ph.D.
Howard University College of Dentistry (BRH, XG) Johns Hopkins University (JAC)
03.02.08 - Poster Session III
mIR-200c: A MEDIATOR OF EGFR SIGNALING IN PROSTATE CANCER
SC Theodore, MS; J Zhou, MD; T Turner, PhD; C Yates PhD
Tuskegee University, Integrative Biosciences Program (SCT), Department of Biology and Center for Cancer Research (JJ, TT, CV)

03.02.09 - Poster Session III
RACIAL DIFFERENCES IN VITAMIN D LEVELS AND BREAST DENSITY USING FDA APPROVED R2 QUANTRA VOLUMETRIC COMPUTERIZED SOFTWARE SYSTEM
G-Richard-Davis, MD; A Disher, MD and V Montgomery-Rice, MD
 Meharry Medical College

03.02.10 - Poster Session III
DIABETES: A RISK FOR PROSTATE CANCER PROGRESSION AFTER PROSTATECTOMY
L Guerrero, MD; SJ Freedland, MD; M Irizarry, PhD; CM Perez, PhD; SS Strom, PhD
University of Puerto Rico (LG, ML, CMP); Veterans Administration Caribbean Health Care System (LG); Duke University (SJF); MD Anderson (SSS)

03.02.11 - Poster Session III
OVEREXPRESSION OF BIT1 INDUCES APOPTOSIS, ANOKIS SENSITIVITY AND CHEMOSENSITIZATION IN PANCREATIC ADENOCARCINOMA CELLS
Kelly Leleux*, Priya Prakash Karmal†, Shubha Kale Ireland*, and
P Kelly Leleux*, Priya Prakash Karmal†, Shubha Kale Ireland*, and
Xavier University of Louisiana, tSanford-Burnham Medical Research Institute

03.02.13 - Poster Session III
ABERRANT PROMOTER METHYLATION OF MLH1 CAN BE ASSOCIATED TO TREATMENT RESPONSE IN PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA
GL Caban, MD; A Pons, MSc; N Barrios, MD; A Baez, PhD. Department of Pediatrics (GLC, AP, NB), and Departments of Pharmacology & Otolaryngology (AB), University of Puerto Rico School of Medicine

03.02.15 - Poster Session III
DRD2 POLYMORPHISMS ASSOCIATED WITH NICKET ADDICTION IN AFRICAN AMERICANS
P Karla, PhD; B Arrey, MS; C Williams, PhD; S Wilson, PhD
Howard University Cancer Center, College of Medicine (GMD); Department of Community and Family Medicine, College of Medicine, Howard University (CA); Department of Genetics, Graduate School, Howard University (AM); Department of Community and Family Medicine, College of Medicine, Howard University (GB); Department of Microbiology, College of Medicine, Howard University (GMD)

03.02.20 - Poster Session III
MITOCHONDRIAL TOXICITY OF 1-METHYL-4-PHENOPYRIDINIUM (MPP+) IN NORMAL AND CANCER CELLS
RB Badisa, PhD; D Elmashat, BS; CB Goodman, PhD; LM Latino, PhD, KFA Solomon, PhD
College of Pharmacy and Pharmaceutical Sciences (RB, DE, CBG, KFS); Department of Biology (LML), Florida A&M University

03.02.22 - Poster Session III
COMMUNITY & POPULATION STUDIES

03.03.01 - Poster Session III
PSA LEVELS IN A POPULATION OF PUERTO RICANS: 2005
LA CUBANO, PhD; M Arvelo, BS; NM Boukli, PhD; A Franceschini, MD University Central del Caribe (LAC, MA, NMB, AF)

03.03.02 - Poster Session III
DETERMINANTS OF LATE-STAGE PROSTATE CANCER DIAGNOSIS IN FLORIDA
H Xiao, PhD; F Fan, PhD; P Govarets, PhD
Florida A&M University (HX); Indiana University-Purdue University Indianapolis (FT); Pfegnatll (FG)

03.03.03 - Poster Session III
IDENTIFYING COMMUNITY RESOURCES TO ADDRESS PATIENTS CANCER NEEDS IN THE SOUTHERN AREA OF PUERTO RICO
E Castro, PsyD; J Jimenez, MD; G Quinn, PhD; CK Tweedie, PhD; K Alejandro, BA; Y Colon, BA; M Garcia, BA; V Simmons, PhD; S Vadaparampil, PhD; T Brandon, PhD; J McIntyre, BA.

03.03.04 - Poster Session III
AGE- AND SEX-SPECIFIC IN-HOSPITAL MORTALITY AFTER MYOCARDIAL INFARCTION IN ROUTINE CLINICAL PRACTICE
C Ani, MD MPH; D Pan, MSc; D Martins MD, MSc; Charles Drew University of Medicine & Science; B Oxbagele, MD MSc, University of California, Los Angeles

03.03.05 - Poster Session III
EDUCATION

03.04.01 - Poster Session III
ADDRESSING CANCER DISPARITIES THROUGH UNDERGRADUATE AND MEDICAL STUDENT RESEARCH PROGRAMS
DR Marshall, PhD; IE Hildreth, MD; JG Townsel, PhD; BR Ballard, MD; DJ Beech, MD
Meharry Medical College (DRM, JHH, JGT, BRB, DJB)

03.04.02 - Poster Session III
MICROARRAY DATA ANALYSIS - NEW RANK TESTS AND SIGNIFICANCE DENSITY MAP
Q Yue, A Yuan, J Xu, G Zheng, V Apprey, GE Bonney, WM Southcenter Howard University (QY, AT, VA, GEB, WMS), National University of Singapore (JX), National Heart, Lung and Blood Institute (GZ)

03.04.03 - Poster Session III
PS3 PRO72ARG POLYMORPHISM AND PROSTATE CANCER IN MEN OF AFRICAN DESCENT
LI Ricks-Santi, PhD; T Mason, MS; V Apprey, PhD; C Aghahou, MD; A McLaughlin, PhD; D Josie, MPH; G Bonney, PhD; GM Dunston, PhD
Howard University Cancer Center, College of Medicine (LRS, DI); National Human Genome Center, Molecular Genetics Unit (LRS, TM, DJ, GMD); National Human Genome Center, Statistical Genetics and Bioinformatics Unit (VA, GB); Department of Urology, College of Medicine, Howard University (CA); Department of Genetics, Graduate School, Howard University (AM); Department of Community and Family Medicine, College of Medicine, Howard University (GB); Department of Microbiology, College of Medicine, Howard University (GMD)

03.04.04 - Poster Session III
GOLD NANOORD-ANTI CA IX CONJUGATES FOR TUMOR TARGETING AND THERAPY
X Bian, Ph.D.; S Liang, Ph.D.; H Xie, Ph.D.
Texas Southern University (XB, SL, HX)

03.04.05 - Poster Session III
GOLD NANOORD-ANTI CA IX CONJUGATES FOR TUMOR TARGETING AND THERAPY
X Bian, Ph.D.; S Liang, Ph.D.; H Xie, Ph.D.
Texas Southern University (XB, SL, HX)

03.04.11 - Poster Session III
MOLECULAR STRUCTURE AND MODELING CORE FACILITY AT XAVIER UNIVERSITY OF LOUISIANA
CL Klein Stevens, PhD; and Thomas Wise, PhD
Xavier University of Louisiana (CLKS, TW)

03.04.12 - Poster Session III
NANOPARTICLES OF MAGNETIC IRON OXIDES AS PROSPECTIVE DIAGNOSTIC AGENTS
V Kolenichenko, Ph.D.; G Golowenka, Ph.D.; S Sitaula, Ph.D.
Xavier University of Louisiana

03.04.13 - Poster Session III
SUPER SILAC PROTEOMICS FOR CHILDHOOD LEUKEMIA HEALTH DISPARITIES
AVL Jadav, MS; MB Anjanappa, BS; M Lockwood, BS; R Raghunathan, BS; D Shah, BS; K Kancharla, BS; VC Pericherla, MS; WE Haskins, PhD
Department of Biology, RCMi Proteomics & Protein Biomarkers Cares, Center for Research & Training in the Sciences, University of Texas at San Antonio (AYLJ, MBA, ML, RR, DS, KK, VCP, WEH); Department of Medicine, Division of Hematology & Medical Oncology, University of Texas Health Science Center at San Antonio (WEH)
POSTER LISTING

03.06.10 - Poster Session III
HOST CELL PROTEOMICS OF MAB-PRODUCING CHO CELLS
D Shah, BS; S Labhan, MS; AY Jadhav, MS; WE Haskins, PhD
Department of Biology, RCMi Proteinomics & Protein Biomarkers
Core, Center for Research & Training in the Sciences, University of Texas at San Antonio (DS, MLS, AYJ, WEH); Department of Medicine, Division of Hematology & Medical Oncology, University of Texas Health Science Center at San Antonio (WEH)

03.06.11 - Poster Session III
NANOIMMUNOPROTEOMICS OF CHILDHOOD LEUKEMIA
R Raghunathan, BS; C Castro, PhD; MJ Yacaman, PhD; WE Haskins, PhD
Department of Biology, RCMi Proteinomics & Protein Biomarkers
Core, Center for Research & Training in the Sciences, University of Texas at San Antonio (RR, WEH); Department of Physics, University of Texas at San Antonio (CC, MFT); Department of Medicine, Division of Hematology & Medical Oncology, University of Texas Health Science Center at San Antonio (WEH)

03.06.12 - Poster Session III
HIGH-THROUGHPUT PROTEOMICS BY ON-BEAD MICROWAVE-ASSISTED DIGESTION
MB Anjanappa, BS; WE Haskins, PhD
Department of Biology, RCMi Proteinomics & Protein Biomarkers
Core, Center for Research & Training in the Sciences, South Texas Center for Emerging Infectious Diseases, University of Texas at San Antonio (MBA, WEH); Department of Medicine, Division of Hematology & Medical Oncology, University of Texas Health Science Center at San Antonio (WEH)

03.06.13 - Poster Session III
PROTEOMICS OF RETINYL ESTERS IN RETINAL PIGMENT EPITHELIUM
KC Ramulu, BS; VC Pericheria, MS; B Betts, BS; WE Haskins, PhD; A Tun, PhD
Department of Biology, RCMi Proteinomics & Protein Biomarkers
Core, Center for Research & Training in the Sciences, University of Texas at San Antonio (NCR, VBP, BB, WEH, AT); Department of Medicine, Division of Hematology & Medical Oncology, University of Texas Health Science Center at San Antonio (WEH)

03.06.14 - Poster Session III
BLOOD PROTEIN BIOMARKERS OF CHILDHOOD CANCERS
WE Haskins, PhD
Department of Biology, RCMi Proteinomics & Protein Biomarkers
Core, Center for Research & Training in the Sciences, University of Texas at San Antonio (WEH); Department of Medicine, Division of Hematology & Medical Oncology, University of Texas Health Science Center at San Antonio (WEH)

03.07.02 - Poster Session III
THE PHYSIOLOGIC UPPER LIMIT OF POROSIZE IN VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF)-DERIVED BLOOD CAPILLARIES: THERAPEUTIC IMPLICATIONS
Hemant Sarin, MD National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health, Bethesda, MD 20892; Department of Radiology, Howard University College of Medicine

03.07.05 - Poster Session III
GENE-GENE INTERACTIONS: PROSTATE TUMORS IN AFRICAN AMERICANS
RR Reams, PhD1 and RR Kalari, PhD2, 1College of Pharmacy and Pharmaceutical Sciences, Florida A&M University and 2Department of Medical Informatics, Mayo Clinic College of Medicine

03.07.06 - Poster Session III
ROTATIONAL BARRIERS EFFECTS ON THE ACTIVITY OF VARIOUS SELECTIVE ESTROGEN RECEPTOR MODULATORS USED AS ANTI-TUMOR AGENTS
1Department of Chemistry, Florida A&M University; 2College of Pharmacy and Pharmaceutical Sciences, Florida A&M University; 3Department of Chemistry, Jackson State University; 4Department of Chemistry/Quantum Theory Project, University of Florida; 5Department Chemical Engineering, Florida A&M University/Florida State University College of Engineering; 6Department of Biology, Florida A&M University

03.07.07 - Poster Session III
RISK ASSESSMENT FOR THE LIKELIHOOD OF DEVELOPMENT OF BREAST CANCER IN AFRICAN AMERICAN WOMEN AT THE AGE OF 35 YEARS AND OLDER
E. Peit1, B. Tameru2, D. Nguyen, G. Gerbi1, T. Habtemariam, A. Bogale1, V. Rubnott Center for Computational Epidemiology, Bioinformatics and Risk Analysis (CCEBRA), College of Veterinary Medicine Nursing and Allied Health (CVMMNH), Tuskegee University

04.01.01 - Poster Session I
1,25D INDUCES OSTEOGENIC DIFFERENTIATION OF MULTIPOTENT CELLS
JN. Artaza, PhD; L. Garcia, BS, D. Vernet, PhD; K.C. Norris, MD; Charles R. Drew University of Medicine & Science (JNA, LG, KCK); LA Biomed at Harbor-UCLA (DV) David Geffen School of Medicine at UCLA (JNA, KCK)

04.01.03 - Poster Session I
ALCOHOL AND P13-KINASE PATHWAY IN THE HEART
GE Haddad, PhD; M Jeffrey; BS; VM Couin, BS
Howard University, Washington DC (GEH, MJ, VMC)

04.01.04 - Poster Session I
ALDOSTERONE, LOSTARTAN AND ACE2 ACTIVITY IN HEART CELLS
Y Gereha, PhD; A Rabell, BS; WC DeMello, MD,PhD
University of Puerto Rico, Medical Sciences Campus (YG, WCD); University of Puerto Rico, Rio Piedras Campus (AR)

04.01.05 - Poster Session I
PRESYNAPTIC INHIBITION OF CARDIAC AFFERENTS; ULTRASTRUCTURAL STUDY
E Adetobi-Idiaye, PhD; S Ekejiuba, PhD; M Díavila-García, PhD; and VI Masacci, PhD
Howard University College of Medicine (EA, SE, MID, VIM)

04.01.06 - Poster Session I
RESTRICTED BLOOD FLOW EXERCISE IN AFRICAN AMERICANS
V. Bond, EdD; RM Millis, PhD; RG Adams, MD; KL Goring, MD; R. Sinha, PhD
Howard University, College of Arts & Sciences and College of Medicine

04.01.07 - Poster Session I
ASCL3, A NOVEL INHIBITION FACTOR, PROTECTS VASCULAR SMOOTH MUSCLE CELLS AGAINST APOPTOSIS
SK Biswas, PhD; L Hernandez, MS; SJ King; MT Garcia-Barrion, PhD
Morehouse School of Medicine (SKB, LH, SJK, MTGB)

04.01.08 - Poster Session I
ASCL3 IS A NOVEL REGULATOR OF PROLIFERATION OF VASCULAR SMOOTH MUSCLE CELLS
L Hernandez, MS; SK Biswas, PhD; V Patel; MT Garcia-Barrion, PhD
Morehouse School of Medicine (LH, SKB, VP, MTGB)

04.01.09 - Poster Session I
HISTONE EPIGENETIC MODIFIERS MODULATE CLASS I AND II HDACs IN VASCULAR SMOOTH MUSCLE CELLS (VSMC)
OP Mathew, PhD; K Ranganna, PhD; FM Yatsu, MD
Texas Southern University (KR, OPM) Texas Medical School (FMY)

04.01.10 - Poster Session I
CLUSTERIN/APOLPOLYPROTEIN J EXPRESSION IN VASCULAR SMOOTH MUSCLE CELLS (VSMC): UPREGULATION BY EPIGENETIC HISTONE MODIFIERS
K Ranganna, PhD; OP Mathew, PhD; FM Yatsu, MD
Texas Southern University (KR, OPM) Texas Medical School (FMY)
CATALASE OVEREXPRESSION ACTIVATES SP1-AHR-PRENATAL BAP-EXPOSURE DYSREGULATES THE ENDOTHELIAL CELLS BY TARGETED ULTRASOUND INTEGRIN-INDUCED PERMEABILITY CHANGES IN University of Hawaii at Manoa

04.01.11 - Poster Session I
P Anastasiadis; JS Allen
ACOUSTIC MICROSCOPY
CHARACTERIZATION OF ATHEROSCLEROTIC PLAQUE IN THE OFFSPRING OF LEH RAT

04.01.12 - Poster Session I
CHRONIC ETHANOL ALTERS INSULIN SIGNALING IN HYPERTENSIVE VASCULAR SMOOTH MUSCLE CELLS
SD Williams, C Mtchali, C Gardner-Jones, B Washington
Department of Biological Sciences, Tennessee State University

04.01.13 - Poster Session I
CATALASE OVEREXPRESSION ACTIVATES SP1-AHR-NRF2 SIGNALING CASCADE
Z.M. Guo, M.D., Ph.D.
Department of Physiology, Meharry Medical College

04.01.14 - Poster Session I
APOE DEFICIENCY SUPPRESSES SP1-DNA BINDING AND ABCA1 EXPRESSION
H. Yang, M.D.
Department of Physiology, Meharry Medical College

04.01.17 - Poster Session I
ALLOSTATIC LOAD AND RACIAL DISPARITIES IN MORTALITY
D Kimber, MPH; OK Duru, MD; NT Harawa, PhD; KC Norris, MD
Charles R. Drew University of Medicine and Science (OK, NTH, KCN)
University of California, Los Angeles (OK, KCN)

04.01.18 - Poster Session I
USING COMPARATIVE MAPPING TO IDENTIFY CANDIDATE HUMAN GENETIC REGIONS FOR CARDIOVASCULAR DISEASES IN THE JACKSON HEART STUDY
J Dutile, S tribune, A Ruiz, AV Deng, S Busbaum
Department of Biochemistry, Ponce School of Medicine (JD, AR), Warren Alpert School of Medicine, Brown University (ST), Research Centre–Centre Hospitalier de l’Université de Montréal (CHUM) (AYD), Jackson Heart Study, Jackson State University (SB)

04.01.19 - Poster Session I
CHARACTERIZATION OF AHEROSCLEROTIC PLAQUE IN HUMAN AND MOUSE ARTERIES WITH SCANNING ACOUSTIC MICROSCOPY
P Anastasiadis; JS Allen
University of Hawaii at Manoa

04.01.20 - Poster Session I
INTEGRIN-INDUCED PERMEABILITY CHANGES IN ENDOTHELIAL CELLS BY TARGETED ULTRASOUND CONTRAST AGENTS
P Anastasiadis; JS Allen
University of Hawaii at Manoa

04.01.21 - Poster Session I
ROLE OF ATP1B1, RG55 AND SELH IN HYPERTENSION IN AFRICAN AMERICANS
MU Furuke, PhD; G Chen, MD; A Dousmatry, PhD; H Huang, MD; J Zhou, BS; GM Dunston, PhD; CN Rotimi, PhD; AA Adayerm, MD
National Human Genome Center, Howard University College of Medicine (MUF, GMD); Center for Research on Genomics and Global Health, National Institutes of Health (GC, AD, HH, JZ, CNR, AAA)

04.01.22 - Poster Session I
ANGIOGENIC POTENTIAL IN CHILDREN WITH SICKLE CELL ANEMIA
BE Ge, JM Manlove-Simmons, Y Huang, F Lawal, AS Belton, S Ofori-Acquah, A Qurysmi, GM Gibbons
Meharry School of Medicine (BEG, JMM, YH, ASB, GHG), Morehouse College (FL), Emory University School of Medicine (SAO, AQ)

04.01.23 - Poster Session I
ROLE OF PKC/PKA SIGNALING PATHWAY IN PPAR-β/δ-LIGAND-MEDIATED INCREASE IN NO PRODUCTION
Z Yusefipour and MA Newaz
Texas Southern University (ZY); Chicago State University (MAN)

04.01.24 - Poster Session I
CALCULATED METABOLIC EQUIVALENTS: PRESCRIPTION FOR AFRICAN-AMERICAN WOMEN
P Pullen, PhD; LM Gaydos, PhD; CG Franklin MD; V Elliott, PhD; CJR Hogue, PhD
Grady Health System (PRP, CGF); Morehouse School of Medicine (PRP, CGF); Emory University (LMG, CJRH); Meharry School of Medicine (MC, VE)

04.01.26 - Poster Session I
PHARMACOGENETICS OF WARFARIN IN PUERTO RICANS: PRELIMINARY DATA
J Duconge, PhD; II Valentin, BS; J Nazquez, BS; G Rivera-Miranda, PhmD; I Cruz, Phmd; II Bento, MS; CL Cadilla, PhD; R Seip, PhD; M Korchela, MS; G Ruaño, MD
University of Puerto Rico Medical Sciences Campus (JD, IV, IV, IC, JYM, LLC); Veteran Affairs Caribbean Healthcare System (GRM); Genetic Research Center, Hartford Hospital (RS, MK, GR)

04.01.28 - Poster Session I
BIOCHEMICAL MECHANISMS FOR AN EARLY PREDICTION OF RESPONDERS AND NON-RESPONDERS TO ANGIPLI SEQUENCE BLOCKADE WITH CAPTOPRIL IN HEALTHY SALT-SENSITIVE AFRICAN AMERICAN MEN
R Lapa-Bula, PhD; J Morgan, BS; A Oduwole, MD; V Clark, ROMS; A Belton, BS; C Sow, MD; H Silvestrov, MS; A Quyyumi, MD; E Ofili, MD
Morehouse School of Medicine

04.01.29 - Poster Session I
EVALUATING IMPACT OF J/E CRITERIA CHANGE ON ENROLLMENT AND STUDY GOAL
JE Lee, DrPH; K Norris, MD; G Gibbons, MD; J Perkins, PhD; ME Barnett, MD; JH Sun, ScD
Jackson State University (JL, JP, MEP, JHS); Charles Drew University (RN); Morehouse University (GG)

04.02.07 - Poster Session I
RECRUITMENT OF CARDIOVASCULAR PATIENTS INTO ACUTE HEART FAILURE CLINICAL TRIALS IN AN URBAN SETTING
B Lankford, RN; R Bennett-Gattens, MD; A Oduwole, MD; AE Omwuxanyi, MD; RR Valadari, MBBS; J Cross, RN; ED Ofili, MD; J Ali, NASA
Morehouse School of Medicine (BL, RBG, AO, AEO, RRV, JC, EOO, JA)

04.02.08 - Poster Session I
AN INFLAMMATORY GENE EXPRESSION SIGNATURE IS ASSOCIATED WITH EARLY ONSET MYOCARDIAL INFARCTION IN A MULTIETHNIC HAWAIIAN COHORT
KM Szauter, PhD; M Jansen, Dipl; G Oikimoto, PhD; K; CD Boyd, PhD; M Loomis, MS; JH Kimura, PhD; M Heller; T Ku; M Timkainen, PhD; K Ciszar, PhD; RA Gorton, MD.
John A. Burns School of Medicine (KMS, MC), KC, CD, JHK, MH, TK, and Cancer Research Center (GO, ML, MT), University of Hawaii at Mānoa, Department of Veterans Affairs, VA Pacific Islands Healthcare System (RAYG)

COMMUNICATION & POPULATION STUDIES

04.03.02 - Poster Session I
THE IMPACT OF DEMOGRAPHICS, EDUCATION AND INCOME ON BLOOD PRESSURE SELF MONITORING IN THE COMMUNITY
ID Poon, PharmD; LS Lal, PhD
Texas Southern University

04.03.03 - Poster Session I
CORONARY REVASCULARIZATION IN LOS ANGELES COUNTY: IS RACE AN ISSUE?
CJ Yoon, MD; S Bazargan-Hejazi, PhD; C deVirgilio, M.D; D Pan, M.Sc Charles R. Drew University of Medicine and Science (CJY, SBH, DP); Harbor-UCLA Medical Center (CGF)

04.04.03 - Poster Session I
AFRICAN AMERICANS’ ADHERENCE TO HEALTH RECOMMENDATIONS
RC Quarells PhD, CN Chapman, MPH, T Tetheh, R Holliday, PhD, P Baltus, PhD
Morehouse School of Medicine

04.04.05 - Poster Session I
ENGAGING THE CHURCH AS A RECRUITMENT SITE FOR CLINICAL TRIALS: FROM THE PULPIT TO THE PEOPLE – IS THERE FAITH?
P Cooper; P Pemu, MD; B Hayes, DSW; P Callahan, RN; B Mack; P Johnson, MSN; B Lankford, RN; J Ali, NWA; E Ofili, MD
Morehouse School of Medicine (PC, BH, PP, BL, PC, BM, PI, JA, EO)

SPECIAL TECHNOLOGIES & METHODOLOGIES

04.06.01 - Poster Session I
PHARMACOKINETICS OF WARFARIN IN A SIMULATED WEIGHTLESSNESS RAT MODEL
Jyothy A. John, Dong Liang, Jing Ma, and Theodore R. Bates; Department of Pharmaceutical Sciences, Texas Southern University
06 HIV and AIDS

06.01.01 - Poster Session I
MOLECULAR EPIDEMIOLOGY OF B-CLADE HIV IN THE CARIBBEAN
Y. Yamamura, Ph.D.; J. Carr, Ph.D.; G. Dos Santos, Ph.D.;
M. Salemi, Ph.D.; J. Codrington, Ph.D.
Ponce School of Medicine, Ponce, PR (YY); Institute of Human Virology, University of Maryland School of Medicine, Baltimore, MD (XC); University Hospital of Fort-de-France, Martinique (GDS); Department of Pathology, University of Florida, Gainesville, FL (MS); Paramaribo Academic Hospital, Paramaribo, Suriname (ICo)

06.01.03 - Poster Session I
SEMINAL AMYLOID FIBRILS ENHANCES CELL ASSOCIATED HIV-1 INFECTION
R. A. VELEZ, BS; P. LOPEZ, BS; Y. YAMAMURA, PhD
Ponce School of Medicine (RAT, YY)

06.01.04 - Poster Session I
DIETARY SELENIUM MODULATES ACTIVATION AND DIFFERENTIATION OF CD4+ T CELLS THROUGH A MECHANISM INVOLVING CELLULAR FREE THIOLS
PR HOFFMANN, PhD; FW Hoffmann, MPH; AS Hashimoto, BA; MJ Berry, PhD
Cell and Molecular Biology Department, John A. Burns School of Medicine, University of Hawaii, Honolulu, HI

06.01.05 - Poster Session I
TCRα LCR FUNCTION IN T CELLS DERIVED IN VITRO FROM EMBRYONIC STEM CELLS
BD ORTIZ, PhD; A. Lahuja, MPH; M Kucerová-Levisohn, MPhil; S Knire, PhD; R Holmes, BSc; X. Zügiga-Pflücker, PhD
City University of New York, Hunter College (EDO, AL, MKL, SK); Sunnybrook Research Institute, University of Toronto (RJ, JCZP)

06.01.07 - Poster Session I
N-TERMINAL HA Tag RESTORES APOBEC3G ANTIVIRAL ACTIVITY DETERMINATION OF THE ROLE OF HIV-1 NEF IN SICKLE CELL DISEASE-DERIVED PERIPHERAL BLOOD MONONUCLEAR CELLS
J. Chu, MS; M. Khan, MS; M. Guzman, Ph.D.; Y. Yamamura, Ph.D.; J. Carr, Ph.D.; G. Dos Santos, Ph.D.; M. Salemi, Ph.D.; J. Codrington, Ph.D.

06.01.08 - Poster Session I
TARGETING PROTEIN PHOSPHATASE-1 FOR THE INHIBITION OF HIV-1
T Ammosova, PhD; SM Charles, PhD; EJ Rivas, PhD; KF Hauser, PhD; E Rios-Olivares, PhD; D Wang, PhD; A Nath, MD; and MD (JC); and Molecular Virology Section, Laboratory of Molecular Microbiology, NIAID, NIH, Bethesda, MD (VRK, KTJ)

06.01.11 - Poster Session I
MACROPHAGE-SECRETED CYSTEINE PROTEASE, CATHEPSIN B, CONTRIBUTES TO HIV-1 ASSOCIATED NEURONAL APOPTOSIS
EJ Rodriguez-Franco, BS; M Plaud-Valentin, MS; RA Romeu, BS; R Skalsky, PhD and LM. Melendez, PhD
University of Puerto Rico Medical Sciences Campus (EJRF, MPV, LMM); University of Puerto Rico, Rio Piedras Campus (RAR); Johns Hopkins University (RS)

06.01.13 - Poster Session I
IMMUNOMODULATOR POTENCIAOR (PAI)-MEDIATED ENHANCEMENT OF ANTI-HIV-SPECIFIC IMMUNE RESPONSE
I Navarro, BS; E. Miranda, BS; N Vargas, BS; E Rios-Olivares, PhD; and M. Otero, PhD
Department of Microbiology and Immunology, Universidad Central del Caribe School of Medicine (IN, EM, NV, ERO, MD) Bayamón, Puerto Rico

06.01.14 - Poster Session I
INHIBITION OF HIV-1 IN SICKLE CELL DISEASE- DERIVED PERIPHERAL BLOOD MONONUCLEAR CELLS
T Ammosova, PhD; SM Charles, PhD; JE Rotimi, BS; VR Gordeuk, MD; S Nekhai, PhD
Center for Sickle Cell Disease, Department of Medicine, Howard University (TA, JER, VRG, SN)

06.01.15 - Poster Session I
DETERMINATION OF THE ROLE OF HIV-1 NEF IN ENHANCEMENT OF VIRION INFECTIVITY
MI Lang, BS; AD Raymond, PhD; J Chu, BS; M Khan, MS; JC Zúñiga-Pflücker, PhD
Morehouse School of Medicine

06.01.16 - Poster Session I
BUPRENORPHINE AND METHADONE EFFECT ON HIV-1 ASSOCIATED NEUROTOXICITY
E J Rodriguez-Martinez, BS; M Rodriguez, BS; M Ricaurte, MS; M Rodriguez-Martinez, BS; M Ricaurte, MS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rodríguez-Martinez, BS; M Rod...
06.01.19 - Poster Session I
RACIAL DISPARITIES IN BACTERIAL VAGINOSIS AND ITS INFLUENCE ON HIV-1 ACQUISITION
Dj Alcendor, PhD; CN Marrs, BS; SM Knobel, BS; SD Sweet, MD; QW Zhu, MD; AR Chaudhury, MD.
Meiharry Medical College (DJA, HEV, WQZ).

06.01.20 - Poster Session I
PERICYTES AND HIV NEUROPATHOLOGY
Dj Alcendor, PhD; HE Vigil, BS; WQ Zhu, MD
Meiharry Medical College (DJA, CHM, SDR, WQZ).

06.01.21 - Poster Session I
KSHV REGULATION OF FIBULIN-2 IN KAPOSI’S SARCOMA: IMPLICATIONS FOR TUMORIGENESIS
Dj Alcendor, PhD; SM Knobel, BS; WQ Zhu, MD
Meiharry Medical College (DJA, SMK, WQZ).

06.01.22 - Poster Session I
INDUCTION OF APOBEC3G BY A COMMENSAL, NON-PATHOGENIC ORAL CAVITY BACTERIA LEADS TO INHIBITION OF HIV-1 REPLICATION
BL KINLOCK, BS; Z Wang, MS; X Lin, PhD; JE Hildreth, PhD; Hua Xie, DOS; BS Liu, PhD
Center for AIDS Health Disparities Research and Department of Microbiology and Immunology, Meiharry Medical College.

06.01.23 - Poster Session I
GBV-C E2 PROTEIN INHIBITS HIV-1 ASSEMBLY
CL Timmons; B Liu, PhD
Meharry Medical College (CLT, BL).

06.01.24 - Poster Session I
CYSTATIN B INHIBITS THE IFN RESPONSE: A MECHANISM FOR HIV PERSISTENCE
L. RIVERA, Ph.D; J. P. Laspiur, B.S.; D. Medina, Ph.D.; J. Muñoz-Jordan, Ph.D.; and L. M. Meléndez, Ph.D
1Department of Microbiology and Neuromeds Program, Medical Sciences, UPR; 2RCMI Clinical Proteomics Core, Medical Sciences, UPR; 3Centers of Disease Control and Prevention, San Juan, Puerto Rico

06.01.25 - Poster Session I
ROLE OF LFA-1 IN THE TRANSMISSION AND PATHOGENESIS OF HIV-1
TN Walker, BS, JEH Hildreth, PhD
Microbiology and Immunology (TNW), Internal Medicine (JEXH), Meiharry Medical College.

06.01.27 - Poster Session I
INTERCLADE COMPARATIVE PROTEOMIC PATTERNS OF HIV-1 TREATED HUMAN NEURONS: INSIGHTS INTO NEUROAIDS
NM Boukhli, Ph.D; M Ricarte MS; G Gonzalez, MS; L Cubano Ph.D; E Rios Olivares, Ph.D; JW Rodriguez, Ph.D.
Universidad Central del Caribe.

06.01.28 - Poster Session I
QUANTITATIVE PROFILING OF MACROPHAGE’S SECRETOME IN HIV USING ITRAQ
J Pérez Laspiur, PhD; K Colón, BS; Y Rodriguez, MS; P Andrews, PhD; LM Meléndez, PhD
University of Puerto Rico Medical Sciences Campus (JPL, KC, YR, LM); University of Michigan (PA).

06.02.01 - Poster Session I
WHAT WILL AN HIV GENOTYPING RESULT TELL YOU ABOUT THE VIRUS IN A PATIENT?
N. Rodriguez, M.T.; P. Lopez, B.S.; O. De Jesus, M.T.R. Sanchez, B.S., Y. Yamamura, Ph.D.
Ponce School of Medicine AIDS Research Program, Ponce, PR.

06.02.02 - Poster Session I
IMPACTS OF HAART ON HIV SUBCOMPARTMENTALIZATION IN DIFFERENT T CELL SUBSETS
P. Lopez, B.S.; R. Sanchez, BS, E. Koenig, M.D.; M. De Castro, M.D.; Y. Yamamura, Ph.D.
Ponce School of Medicine, Ponce, PR (PL, RS, YY); Instituto Dominicano de Estudios Virológicos, Santo Domingo, Dominican Republic (EK, MDC).

06.02.03 - Poster Session I
USE OF PLASMA VS. WHOLE BLOOD YIELDS DIFFERENT HIV MUTATION PATTERNS
P. Lopez, B.S.; L. Gotto, M.D.; R. Sanchez, B.S.; Y. Yamamura, Ph.D.
Ponce School of Medicine AIDS Research Program, Ponce, PR.

06.02.04 - Poster Session I
METABOLIC SYNDROME, LIPODYSTROPHY AND VO2MAX IN HISPANICS WITH HIV
FA Ramirez-Marreño, J Rodríguez-Zayas, I Boneta I, JL Santana-Bagur, W Frone, M Joyner
University of Puerto Rico Rio Piedras Campus (FARM), Diabetes Center for Puerto Rico (ISR), University of Puerto Rico School of Medicine (FARM, IB, JLBS, WT), Mayo Clinic, Rochester (MJ).

06.02.05 - Poster Session I
SPEEDBALL ENHANCES CYTOKINE PRODUCTION IN PRESENCE OF HIV VPR
L Torres, BS; LG Rivera, BS; RJ Noel Jr, PhD
Department of Biochemistry, Ponce School of Medicine and Health Sciences (UTN, LGR, RJN).

06.02.06 - Poster Session I
INHIBITION OF CDK2 AFFECTS CDK9 AND INHIBITS HIV-1
D Breuer, BS; A Kotekin, PhD; T Ammosova, PhD; J Rotimi, BS; V Gordeuk, PhD; S Nekhia, PhD
Howard University.

06.02.07 - Poster Session I
ASSOCIATION OF INSULIN RECEPTOR DYSFUNCTION AND HAND PROGRESSION
V WOJNA, MD; Y Gerena, PhD; R Skolasky, SrD; R Mayo, PhD; A Nath, MD
University of Puerto Rico, Medical Sciences Campus (VK, YG, RM); Johns Hopkins University (RS, AN).

06.02.08 - Poster Session I
INCREASED RISK FOR HPV CO-INFECTION AMONG MINORITY WOMEN LIVING WITH HIV DESPITE LOW PREVALENCE OF THE WELL-KNOWN RISK BEHAVIORS FOR CERVICAL CANCER
V Tamayo, MD; J Febo, MS; P Piovanetti, MSc; D Rodriguez, MD; AP Ortiz, PhD; M Florian, BS; M Picon, Y Yamamura, PhD; and C de la Fuente, MD
Maternal-Infant Studies Center, UPR School of Medicine (VT, IF, PP, DR, MF, MP, CDDZ); Ponce School of Medicine (YY); UPR Comprehensive Cancer Center (APO).

06.02.09 - Poster Session I
THE EFFICACY OF CRYOTHERAPY FOR THE TREATMENT OF WITH CERVICAL DYSPLASIA AMONG WOMEN LIVING WITH HIV
V Tamayo, MD; D Rodriguez, MD; Y Alfonsa, MD; P Piovanetti, MSc; J Febo, MS; M Picon; C de la Fuente, MD
UPR School of Medicine, Maternal-Infant Studies Center (CEMI) (VT, DR, YA, PP, IF, MF, CDZ).

06.02.11 - Poster Session I
HIV-1 PROVIRAL DNA IN WOMEN WITH HAND COLLABORATIONS AND PROCEDURES
V WOJNA, MD; D Toro, PhD, Y Rodriguez, MS; MA Agsalda, L Melendez, PhD; B Shirmizmulz, MD
Neumeds Program, University of Puerto Rico, Medical Sciences Campus (VK, BT, YR, LM); Hawaii Center for AIDS, University of Hawaii, Specialized Neuroscience Research (MAA, BS).

06.02.12 - Poster Session I
HIV-ASSOCIATED ANAL DYSPLASIA: EXPERIENCE FROM A MULTIENTHIC-HIV CLINIC IN HAWAII
B Shirmizmulz, MD; A Payam, MD; D Chow, MD; C Milne, RN; N Terada; C Shikuama, MD
University of Hawaii, Hawaii Center of AIDS (BS, AP, DC, CM, KT, CS).

06.02.13 - Poster Session I
GLOBAL BRAIN ATROPHY IN PATIENTS WITH DETECTABLE HIV DNA
KJ Kamau, PhD; N Salasata, PhD; B Nakamato, MD; B Shirmizmulz, MD; V Valcrow, MD; C Shikuama, MD
Hawaii Center for AIDS, University of Hawaii (KJ, BN, BS, CS); Memory and Aging Center, University of California at San Francisco (VV); Huntington Medical Research Institutes, Pasadena, CA (NS).

06.02.16 - Poster Session I
MOLECULAR MODELING STUDY OF PROTEIN PHOSPHATASE-1 TARGETING PEPTIDE
JZ Hu, PhD; G Lingle, MS; WM Southern, PhD
Howard University (UZH, GL, WMS).

Bridging the Gap between Disparity & Equity – NEW MINDS • NEW METHODS
07 INFECTIOUS DISEASE (NON-HIV)

07.01.01 - Poster Session II
FACTORS RELATED WITH DEPRESSION AMONG HIV/AIDS PUERTO RICAN PATIENTS
DM Fernandez, EdD; RO Ramon, MS; C Miranda, PhD; G Maldonado, MPH; J Maysonet, MPHSc; E Rios-Olivares, PhD; RF Hunter-Mellado, MD
Universidad Central del Caribe (DMF, ROR, CM, JM, ER, RFH)

07.01.02 - Poster Session II
SCREENING OF MANNICH BASES AND DIENONNE DERIVATIVES LIBRARY FOR LEISHMANIA MAJOR
M.A. Vazquez, BS; U. Daai, S. PhD; S.M. Beverley, PhD2, Carolina Lema, PhD; J. Dimmock, PhD; R. A. Maldonado, PhD.
Border Biomedical Research Center, Department of Biological Sciences, University of Texas at El Paso, El Paso, TX 79968, USA (MAV, CL, RAM); 2 Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, MO 63110 (SMB), College of Pharmacy and Nutrition, University of Saskatchewan, Saskatoon, Canada

07.01.03 - Poster Session II
DISRUPTION OF THE MULTIDRUG RESISTANCE-associated PROTEIN (pbmrp) GENE IN DISRUPTION OF THE MULTIDRUG RESISTANCE KNOCKOUT MICE
A. F. Marques, PhD; L. L. Nohara, PhD; Luciane Ganiko, PhD; L. S. Silva, BS; L. R. Travassos, PhD; E. C. Veas, PhD; E. S. Nakayaya, PhD, and L. C. Almeida, PhD
The Border Biomedical Research Center, Department of Biological Sciences, University of Texas at El Paso, El Paso TX, (AFM, LLN, LG, ECY, ES, ICA); Universidade Federal do Sao Paulo, Dept. of Microbiology, Immunology and Parasitology, Sao Paulo, Brazil

07.01.04 - Poster Session II
TOLL-LIKE RECEPTOR AGONISTS MODIFIES IMMUNE RESPONSE TO DENGUE IN VIVO
CA Sanit, a, b, c, M. O’Dy, T. Angiobet, PhD; F Riverana, MSc; I. Rodriguez a DVM; P Pantoja, b MSc; F. Aranera a MSc; L White, I; P Martinez a DVM; C. Delgado, a PhD; J. T. Munoz, MD
A unit of Comparative Medicine, Caribbean Primate Research Center, b Department of Microbiology and Medical Zoology, c Department of Internal Medicine 3, University of Puerto Rico-Medical Sciences Campus. d Department of Virology And Immunology, Southwest National Primate Research Center, Southwest Foundation For Biomedical Research. e Molecular Virology And Surveillance Laboratory, Center for Disease Control, Dengue Branch, Puerto Rico. f The Carolina Vaccine Institute, University of North Carolina. g Department of Microbiology and Immunology, School of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, USA. 8The Wistar Institute, Philadelphia, Pennsylvania.

07.01.05 - Poster Session II
ADJUVANT-ENHANCED ANTIBODY AND CELLULAR RESPONSES TO RECOMBINANT FHSAP2 CORRELATES WITH PROTECTION OF MICE TO FASCIOCA HEPATICA
AM Espino, PhD; F Rivera, MS
University of Puerto Rico, School of Medicine (AME, FR)

07.01.07 - Poster Session II
ROLE OF GSH LEVELS IN PLASMODIUM BERGhei DRUG RESISTANCE
JF Guerrero, MS; J Vega-Rodriguez, PhD; LF Ferrer-Rodriguez, PhD; R Pastrana-Menas, BS; AE Serrano, PhD.
University of Puerto Rico-Rio Medical Sciences Campus JIEG, RPM, AES); Johns Hopkins University-School of Public Health (JVR), Inter American University of Puerto Rico (IFR)

07.01.08 - Poster Session II
BIOGENIC AMINES IN THE INTERMEDIATE HOST FOR SCHISTOSOMIASIS
MW Miller, PhD; N Delgado, BS; D Valloje, BS
Institute of Neurobiology and Department of Anatomy & Neurobiology: University of Puerto Rico Medical Sciences Campus

07.01.09 - Poster Session II
SPHINGOLIPID REGULATES ESV BIOGENESIS AND CYST PRODUCTION BY GIARDIA LAMBLIA
AM Espino, PhD; J Vega-Rodriguez, PhD; R Pastrana-Menas, BS; AE Serrano, PhD.
University of Puerto Rico-Rio Medical Sciences Campus JIEG, RPM, AES); Johns Hopkins University-School of Public Health (JVR), Inter American University of Puerto Rico (IFR)

07.01.10 - Poster Session II
HEPATITIS C PREVENTION PROGRAM MAINTENANCE IN HIV INJECTING DRUG USERS
AM Mayor, MD; DM Fernandez, EdD; HM Colon, PhD; JC Thomas, PhD; AJ Sepulveda, MPH; RF Hunter-Mellado, MD.
Universidad Central del Caribe School of Medicine, Puerto Rico Comprehensive Center for the Study of HIV Disparities (RAMM, DAFMHC, MS, BHH); University of North Carolina, Chapel Hill, NC (JCT)

07.01.11 - Poster Session II
DENGUE VIRUS NS4B MODULATES EXPRESSION OF ADHESION MOLECULES
JK Kelley, MPH, PH Kaufusi, PhD; E Volper, BS; VR Nerurkar, PhD
University of Texas at El Paso, El Paso, TX, 2University of Delaware, Newark, DE

07.01.12 - Poster Session II
ESSENTIAL ROLE FOR CHOLESTEROL IN ENTRY OF EHRlichia INTO MACROPHAGES
TL Jones, MS; P Ghose, PhD; AQ Ali, MD; S Goodwin, PhD; and N Ismail, MD
School of Medicine (TLI), Department of Pathology and Microbiology and Immunology (PG, AA, NI), and Department of Biochemistry and Cancer Biology (5G), Meharry Medical College

07.01.13 - Poster Session II
ROLE OF RNA SECONDARY STRUCTURE IN VIRAL RNA REPLICATION
KL Johnson, A, Betancourt,1 JF Frederick,1 M Taufer,2 and M Leung1
1The University of Texas at El Paso, El Paso, TX, 2University of Delaware, Newark, DE

07.01.14 - Poster Session II
PRO-INFLAMMATORY CYTOKINES MEDIATE WNV-INDUCED NEUROINFLAMMATION
M Kumar, MS; S Verma, PhD; VR Nerurkar, PhD
University of Hawaii

07.01.15 - Poster Session II
THE CHARACTERIZATION OF INHIBITORS OF METHIONINE AMINOPEPTIDASE FROM ENTEROCOCCUS FAECAILIS
OA Olaleye, Ph.D.; M Fellers, B.S.; R Butler, B.S.; DA Garson, Ph.D.; JO Liu, Ph.D. Texas Southern University (OAO, RB); University of Texas-Houston Medical School (MF, DAG); Johns Hopkins School of Medicine (JOL)

07.01.16 - Poster Session II
A SITE-DIRECTED MUTAGENESIS STUDY OF THE FUSED ANTHRANILATE SYNTHASE FROM STREPTOMYCES VENECUELAE
M Ashenafi, PhD; WM Byrnes, PhD
Howard University (MA, WMB)

07.01.17 - Poster Session II
MACROPHAGE PAR1 AND CALPAIN AS TARGETS AGAINST LEISHMANIASIS
Al. Farrow, BS; T. Rana, PhD; S. Misra, PhD; MK Mittal, PhD; G Chadhuri, PhD
Meharry Medical College

07.01.18 - Poster Session II
CLONING AND EXPRESSION OF THE FUSED AMINO-OXYCHORISMATE SYNTHASE (PabAB) FROM STREPTOMYCES GRISEUS
J Mao, PhD; WM Byrnes, PhD
Howard University (JM, WMB)
07.01.23 - Poster Session II  
**WNV-INDUCED CYCLOOXYGENASE-2 PROMOTES INFLAMMATION IN ASTROCYTES**  
VR NERURKAR, PhD; T Singh, PhD; M Kumar, MS; and S Verma, PhD  
University of Hawaii at Manoa

07.01.24 - Poster Session II  
**DEXAMETHASONE TREATMENT PREVENTS DR E. COLI INVASION OF HELA CELLS**  
T Rana, PhD; S Nowicki, DDS; R Singh, MD; BJ Nowicki, MD PhD  
Department of Microbiology and Immunology (TR, SN, BJN); Department of Obstetrics and Gynecology (BJN)

07.01.25 - Poster Session II  
**INFECTION AND UPREGULATION OF PROINFLAMMATORY CYTOKINES IN BRAIN VASCULAR PERICYTES BY HUMAN CYTOMEGALOVIRUS**  
DJ Alcendor, PhD; AM Charet, HS; SM Knoebel, BS; QW Zhu, MD  
Meharry Medical College (DJIA, AMC, SMK, QWZ)

07.01.26 - Poster Session II  
**TRYPANOSOMA CRUZI REGULATES THE HUMAN EXTRACELLULAR MATRIX INTERACTOME TO FACILITATE THE EARLY PROCESS OF INFECTION**  
CA JOHNSON, BS; PN Nde, PhD; TC Cardenas, BS; S Pratap, PhD; V Furtak, PhD; YY Kleshchenko, PhD; MF Lima, PhD and F Villalta, PhD  
Department of Microbiology and Immunology, School of Medicine, Meharry Medical College

07.01.27 - Poster Session II  
**GENE NETWORK ANALYSIS DURING EARLY INFECTION OF HUMAN CORONARY ARTERY SMOOTH MUSCLE CELLS BY TRYPANOSOMA CRUZI AND ITS GP83 LIGAND**  
CA JOHNSON, BS; PN Nde, PhD; TC Cardenas, BS; S Pratap, PhD; V Furtak, PhD; YY Kleshchenko, PhD; K Simmons, PhD; MF Lima, PhD and F Villalta, PhD  
Department of Microbiology and Immunology, School of Medicine, Meharry Medical College

07.01.28 - Poster Session II  
**EFFECT OF THE TARGETING SIGNAL LENGTH VARIATION ON THE IMPORT OF TRYPANOSOME PARASITIC WASPS**  
Gueguen, PhD; P. Paddibhatla, MS; R Rajwani, S Govind PhD  
Department of Biochemistry, University of Puerto Rico, Medical Clinic (SJ); Tampa General Hospital (AA)

07.01.29 - Poster Session II  
**CHARACTERIZATION OF THE TIM17 ASSOCIATED PROTOEIN, TIM50, IN TRYPANOSOMA BRUCEI**  
MR Duncan, BS; L Jean, BS; UK Singhia, PhD; M Chaudhuri, PhD  
Meharry Medical College (MRD, SS, US, MC); Fisk University (LJ)

07.01.31 - Poster Session II  
**TRYpanosoma Cruzi surface protein interacts with host TSP-1 to enhance the process of infection**  
PNI NDE, PhD; YY Kleshchenko, PhD; AO Ikejiani, BS; K Simmons, PhD; CA Johnson, BS; TC Cardenas, BS; S Pratap, PhD; V Furtak, PhD; MF Lima, PhD and F Villalta, PhD  
Department of Microbiology and Immunology, School of Medicine, Meharry Medical College, Nashville, TN

07.01.34 - Poster Session II  
**CHARACTERIZATION OF STAPHYLOCOCCUS LEEI: A NOVEL GRAM-POSITIVE HUMAN GASTRIC PATHOGEN**  
DA Comstock, BA; MJ Jin, PhD; DH Calhoun, PhD; S De Carlo, PhD  
City College of New York (DAC, MJ, DHC, SDC); New York Structural Biology Center (SDC)

07.01.35 - Poster Session II  
**PLASMODIUM BERGHEI ANKA INFECTION UP REGULATES FX03 IL-10, IL-2 AND DOWN REGULATES TGF-β1 IN CCLX-10 DEFICIENT C57BL/6 MICE**  
BV Sarfo, PhD; ND Wilson, MPH; YC Bond, PhD; JK Stiles, PhD; Dept. Microbiology, Biochemistry, and Immunology, Morehouse School of Medicine, Department of Microbiology, Biochemistry and Immunology (BYS, NOW, VCB, JKX)

07.01.36 - Poster Session II  
**ACTIVATION OF THE CD14/TLR4 PATHWAY PREVENTS BACTERIAL CLEARANCE IN ACUTE INFECTION**  
SS METTERK, PhD; KS KIM, M.D.; J SILVER, Ph.D.; SM GOYERT, Ph.D.  
Department of Microbiology and Immunology, Sophie Davis School of Biomedical Education, The City College of New York, 160 Convent Ave. New York, NY (SSM, JS, SMG); Division of Infectious Diseases, Department of Pediatrics, Johns Hopkins School of Medicine, Baltimore, Maryland (KSK)

07.01.37 - Poster Session II  
**ACUTE INFLAMMATION AND ANTI-INFLAMMATION IN DROSOPHILA LARVAL HOSTS: LESSONS FROM PARASITIC WASP**  
G Gueguen, PhD; I. Paddibhatla, MS; R Rajwani, S Govind PhD  
Biology Department, The City College of CUNY, 138th Street and Convent Avenue, New York, NY

07.01.38 - Poster Session II  
**EMERGENCE OF DRUG-RESISTANT GROUP A STREPTOCOCCI IN HAWAII**  
Iris Chen, MS, Fakieki Kaufus, PhD, Guliz Erdem, MD  
John A. Burns School of Medicine, Hawaii (IC, PK, GE)

07.01.39 - Poster Session II  
**NOVEL INTERACTIONS OF MYO1, A MEMBRANE-ASSOCIATED PROTEIN IN YEAST**  
JR Rodriguez-Medina, PhD; F Akamine, PhD; J Snider, PhD; V Wong, MSC; and I Stagljar, PhD  
Department of Biochemistry, University of Puerto Rico, Medical Sciences Campus, San Juan, Puerto Rico (PA, JRM); Donnelly Centre for Cellular and Molecular Research (CCBR), University of Toronto, Ontario, Canada (JS, VW, IS)

**CLINICAL**

07.02.01 - Poster Session II  
**EXPRESSION OF IL-5 AND IL-13 BY REGULATORY TH2 CELLS IN EAE**  
G Mendoza, D Perumalla, BS; TG Forthshuber, MD PhD  
Department of Biology, University of Texas at San Antonio (GM, DP, TGF)

07.02.02 - Poster Session II  
**EARLY DETECTION OF DENGUE VIRUS INFECTION USING MICROSPHERE BEAD ASSAY**  
VR NERURKAR, PhD; EM Volper, BS; DJ Gubler, ScD; EE Ooi, PhD; A Chow, DB  
University of Hawaii (VRN, EMV, DIG); Duke University-National University of Singapore Graduate Medical School, Singapore (DIG, EIO, AC)

**COMMUNITY & POPULATIONS STUDIES**

07.03.01 - Poster Session II  
**BARRIERS TO LIVER TRANSPLANT IN PUERTICANIC NICAN WITH CLD**  
MN Rivera, PhD; S Jowsey, MD; A Alisina, MD; EA Torres, MD  
University of Puerto Rico School of Medicine (MNRR, EAT); Mayo Clinic (SJ); Tampa General Hospital (AA)

**SPECIAL TECHNOLOGIES & METHODOLOGIES**

07.06.01 - Poster Session II  
**SELECTION OF POLYMORPHISMS IN INNATE IMMUNITY IN TRACHOMA**  
MM Abbas, PhD; LJ Ricks, PhD; TE Mason; GE Bonney, PhD; V Apprey, PhD; GM Dunston, PhD  
Howard University, The National Human Genome Center (MMMA, TEM, GEB, VA, GMD); Howard University, Cancer Center (LJR)

07.06.02 - Poster Session II  
**THE EVOLUTIONARY DYNAMICS OF DENGUE VIRUSES: HOW DRIFT AND SELECTION CONSPIRE TO GENERATE EMERGENT STRAINS**  
SN Bennett, PhD  
University of Hawaii at Manoa

**NEUROLOGIC & NEUROPSYCHIATRIC DISORDERS**

08.01.01 - Poster Session II  
**DOPAMINE IN ALCOHOL-ASSOCIATED IMPULSIVITY**  
K-A HAN, PhD.; YC Kim, PhD.; P Sabandal; J Lim, BS  
Department of Biological Sciences, BBRC Neuroscience and Metabolic Disorders, University of Texas at El Paso

08.01.02 - Poster Session II  
**PARKINSON'S DISEASE: THE ROLE OF THE JAK2-STAT3 PATHWAY**  
LG BARNETT, PhD; JN ATKINS, PhD; KT TING, PhD; FG ROUSSEAU, PhD  
University of Texas at El Paso (BIB, RQ, JNT, MJC, LGB, TKT, FGR)
08.01.02 - Poster Session I
STRIATAL DOPAMINE OXIDATION IS INCREASED DURING SUB-CHRONIC L-DOPA TREATMENT: RELEVANCE TO THE LOSS OF L-DOPA EFFICACY DURING PD THERAPY
ML Smith, BS; JM King, BS; CG Charlton, PhD
Meharry Medical College (MLS, JMK, CGC)
08.01.03 - Poster Session I
PROTEIN SYNTHESIS INHIBITION DISRUPTS BDNF-INDUCED ENHANCEMENT IN LONG-TERM POTENTIATION OF THE MOSSY FIBER PATHWAY
E Jiménez, BS; J Porter, Ph.D., and KJ Thompson, Ph.D.
Ponce School of Medicine, Ponce, Puerto Rico
08.01.04 - Poster Session I
PKC-DEPENDENT REGULATION OF GLYCINE TRANSPORTER ACTIVITY
M Miranda, Ph.D.; S Barrera, BS; Castejón, Ph.D.; J Vargas-Medrano, B.S.
University of Texas at El Paso and Border Biomedical Research Center, El Paso, TX
08.01.05 - Poster Session I
ESTROGEN NON-GENOMICALLY ATTENUATES ANTINOCICEPTION PRODUCED BY THE ACTIVATION OF THE OPIOID RECEPTOR-LIKE 1 RECEPTOR IN THE RAT
KM McClain,BS; S Naq, PhD; SS Mohka, PhD
Meharry Medical College (KMM,SN,SLSM)
08.01.06 - Poster Session I
EFFECTS OF CEES (2-CHLOROETHYL ETHYL SULFIDE) ON DOPAMINERGIC SYSTEM
J Gadden-Gray, MS; Shyamali Mukherjee, PhD; Olugbemiga Ogunkua, MD/PhD; Salih K. Das, Sc.D, D.Sc.
Department of Biochemistry and Cancer Biology, Meharry Medical College
08.01.07 - Poster Session I
INFLAMMATION & PARKINSON’S DISEASE: NOVEL PROGRESSIVE MODEL
KC SHIRVIND, PhD; ME Figueiredo-Pereira, PhD
Department of Biological Sciences, Hunter College of City University of New York, NY (KYS, MEFP)
08.01.09 - Poster Session I
PROTECTIVE EFFECTS OF CURCUMIN ON DOPAMINERGIC CELLS: IMPLICATIONS FOR PARKINSON’S DISEASE
Y Tizabi, Ph.D.; C Ramchatsingh, BS; Z Qualls
Department of Pharmacology, Howard University College of Medicine
08.01.10 - Poster Session I
GENDER INFLUENCES MOTOR DYSFUNCTION IN SELENOPROTEIN P KNOCKOUT MICE
MJ Berry, PhD; AV Raman, BS; MW Potts, PhD; AC Hashimoto, MS; MT Bellinger, AS; FP Bellinger, PhD
University of Hawaii at Manoa (MJB, ATR, MWP, AVR, RAN)
08.01.11 - Poster Session I
SELENOPROTEIN P ROLE IN PARVALBUMIN INTERNEURON FUNCTION
MJ Berry, PhD; MW Potts, PhD; AV Raman, BS; RA Nichols, PhD
University of Hawaii at Manoa (MJB, MWP, AVR, RAN)
08.01.12 - Poster Session I
ELUCIDATION OF NEUROPROTECTIVE MECHANISMS OF SELENOPROTEIN M
MJ Berry, PhD; MA Reeves, BS; A Takemoto, BS; FP Bellinger, PhD
University of Hawaii at Manoa (MJB, MWP, AVR, RAN)
08.01.13 - Poster Session I
SELENOPROTEINS IN ALZHEIMER’S DISEASE
CHORDID PLEXUS AND CSF
MJ Berry, PhD; AS Takemoto, BS; MT Bellinger, AS; Y Lin, MS; LR White, MD; FP Bellinger, PhD
University of Hawaii at Manoa (MJB, AST, MRP, YL, FPB) and Pacific Health Research Institute (LRW)
08.01.15 - Poster Session I
CHRONIC MORPHINE EFFECT ON WNT GENES EXPRESSION IN DIFFERENTIATED HUMAN SH-SY5Y NEUROBLASTOMA CELLS
Z-P Zhu, PhD; N Redmon and CB Goodman, PhD
College of Pharmacy and Pharmaceutical Sciences, Neuroscience Section, Florida A&M University
08.01.16 - Poster Session I
DYSFUNCTION OF KIR4.1 CHANNELS IMPAIRS GLUTAMATE CLEARANCE BY GLIA
L Y Kucheryavykh, YV. Kucheryavykh, M. Inyushin, S.N. Skatchkov, M.J. Eaton
Universidad Central del Caribe, Bayamón, PR (LKY, YVK, MI, SNS, MJE)
08.01.17 - Poster Session I
DOPAMINE IN LEARNING AND MEMORY
KR Hernandez, BS; VC Kim, PhD; K-H Han, PhD
Department of Biological Sciences, BBRC Neuroscience and Metabolic Disorders, University of Texas at El Paso
08.01.18 - Poster Session I
REGULATION OF PEROXIREDOXIN 2 GENE EXPRESSION BY LITHIUM STIMULATION IN HUMAN PRIMARY BIFROBLASTS
C Fukuhara, PhD; S Bao, MD; SK Lee, PhD; SC Chen, MD; C Maddox; T Yu, PhD; K Singhapakdi; B Ford, PhD; C Ford, PhD; A Gates; PM Iuvone, PhD
Morehouse School of Medicine (CF, SB, SKL, CM, KS, BF, AG); Emory University (SC, TY, PMI)
08.01.19 - Poster Session I
THE STRIATAL NEUROKININ-1 AND NPY2 RECEPTORS MODULATE THE METHAMPHETAMINE-INDUCED PRODUCTION OF NITRIC OXIDE BUT THE KAPPA OPIOID RECEPTOR IS WITHOUT EFFECT IN MICE
Laurnelle Afanador and Jesus A Angulo
Hunter College of the City University of New York (LA, JAA)
08.01.20 - Poster Session I
IMAGING SYNAPTIC MRNA AND PROTEINS IN HIPPOCAMPAL NEURONS REVEALS A MECHANISM FOR ALTERED HOMEOSTATIC PLASTICITY IN FRAGILE X SYNDROME
Hunter College, CUNY
08.01.21 - Poster Session I
QUININE BLOCK OF GLIAL MONOAMINE UPTAKE IN RODENTS
M Inyushin, D Sibarov, A Huertas, L Miranda, J Segarra, YV Kucheryavykh, LY Kucheryavykh, MJ Eaton, SN Skatchkov, PSpanabria, LV Ropas,
Universidad Central del Caribe, Bayamón, PR (MI, AH, LM, JS, YVK, LVK, MUE, SNS, PS, LVR); Sechenov IEPbN, RAS, St. Petersburg, Russia (DS)
08.01.22 - Poster Session I
GLIA-SECRETED FACTORS CORRELATES WITH SYNAPTICALLY DRIVEN CALCIUM OSCILLATIONS IN HIPPOCAMPAL NEURONS
AC SZETO, Ph.D.; AH Martins, Ph.D.; M Ricartu, M.S.; R Reyes, B.A.;
B Guadalupe, P Sanabria, Ph.D.; V Eterovic, Ph.D.; PA Ferchmin, Ph.D.;
NM Boukli, Ph.D.
Universidad Central del Caribe
08.01.23 - Poster Session I
STRESS INCREASES PKMζ NEGATIVELY AFFECTING MALE BUT NOT FEMALE MEMORY
PA Serrano, PhD; V Luine, PhD; LM Schrott, PhD
Hunter College, Department of Psychology and the Gene Research Center, New York (PKS, VL); Department of Pharmacology, Toxicology, and Neuroscience, Louisiana State University, Health Science Center (LMS)
08.01.24 - Poster Session I
DOPAMINE-1 RECEPTOR ACTIVITY NECESSARY FOR CYTOGENESIS FOLLOWING METHAMPHETAMINE-INDUCED CELL DEATH IN THE STRIATUM
I Hallock and J Angulo
Graduate Center of the City University of New York Department of Biological Psychology and Behavioral Neuroscience Hunter College of the City University of New York Department of Biological Sciences
08.01.25 - Poster Session I
KIDNEY INJURY MOLECULE-1 PROMOTES RENAL TUBULAR CELL APOPTOSIS ASSOCIATED WITH PROTEINURIA
X Zhao, MD, PhD; Y Zhang, MD
Morehouse School of Medicine
08.01.26 - Poster Session I
INTRACELLULAR ACIDOSIS AND pH REGULATION IN CENTRAL RESPIRATORY CHEMORECEPTORS
MJ GDOVIN, Ph.D.; JA Escoberd; L Rios; S Gresham, BS; S Roy, BS; J Bayne, BS; Cn Crain; CM Allala; JC Leiter, MD; JE Gdovin, CR Marutha Ravindran, Ph.D.
University of Texas at San Antonio (MJB, JAE, LR, SG, SR, JB, CNC, JEG, CMR); Dartmouth Medical School (JEL)
09.01.04 - Poster Session III
ASSOCIATION BETWEEN PULSE PRESSURE AND BODY MASS INDEX IN CHILDREN
D Kermah, MPH; G. Chandramohan, MD; K. Kalantar-Zadeh, MD; D. Kalamar, MS; K. Norris MD.
Harbor-UCLA Medical Center (GC KK DK); Drew/UCLA School of Medicine (DK KK); Los Angeles Bio-Medical Research Institute (GC KK DK)

09.01.05 - Poster Session III
OBESITY AMONG MINORITY WOMEN LIVING WITH HIV AND ITS ASSOCIATED FACTORS
I Febo, MS(c); V Tamayo, MD; FACOG; P Pienavetti, MS(c); M Florian, BS; M Herrera, PhD(c); M Picon; D Rodriguez, MD; S Garced, MS; J Perez, BS; CD Zorrilla, MD
UPR School of Medicine, Maternal Infant Study Center (CEMI) (IF, VT, PP, ME, MH, MP, DR, SG, JP, CQZ)

09.01.06 - Poster Session III
MECHANISMS ASSOCIATED WITH ANTI-OBESEITY EFFECTS OF EMBLICA OFFICINALIS (AMLA)
R Sato, BA; LM Buesa, MS; PV Nerurkar, PhD
Laboratory of Metabolic Disorders and Alternative Medicine, Department of Molecular Biosciences and Bioengineering, College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, Honolulu, Hawaii

09.01.07 - Poster Session III
ROLE OF FOLLISTATIN IN ANDROGEN-INDUCED MYOGENESIS IN SATELLITE CELLS
Melissa Braga, BS; Sheila Pervin, PhD; Ravj Josua, PhD; Shaalender Bhasin, MD, and Rajan Singh, PhD.
Charles R. Drew University (MB, SP, RS); David Geffen School of Medicine at UCLA (SP, RS); Boston Medical Center (RJ, SB)

09.01.08 - Poster Session III
IMPAIRMENT OF VITAMIN D & NITRIC OXIDE SYNTHASES IN DIASTOLIC VASCULARITY
1V CHINNATHAMBI, PhD; 2M Shotta, PhD; 1PR Gangula, PhD
1Department of Physiology, Meharry Medical College, 2Department of Molecular Physiology and Biophysics, Vanderbilt University Medical Center, Nashville, TN, USA (VC, MS, PRG)

09.01.10 - Poster Session III
IMPAIRED GASTRIC NITRERGIC SYSTEM IN APOLIPOPROTEIN E KNOCKOUT MICE
K RAVELLA, MS; H Yang, M.D; PR Gangula, PhD
Department of Physiology, Center for Women’s Health Research, Meharry Medical College, Nashville, TN, USA (KR, HY, PRG)

09.01.11 - Poster Session III
GASTRIC SMOOTH MUSCLE RELAXATION IN ZUCKER DIABETIC FATTY RATS
1V CHINNATHAMBI, PhD; 1K Ravella, MS; 2M Shotta, PhD; 1PR Gangula, PhD
1Department of Physiology, Meharry Medical College, 2Department of Molecular Physiology and Biophysics, Vanderbilt University Medical Center, Nashville, TN, USA (VC, KR, MS, PRG)

09.02.02 - Poster Session III
DIABETES RELATED INPATIENT MORTALITY IN NIGERIA
N Mborezu, MD; O Aladesanmi, MD; 2 Ajayow, MD; E Ooni, MD
Morehouse School of Medicine (OA, NM, ED) National Hospital Abuja, Nigeria (ZA)

09.03.01 - Poster Session III
OBESITY & ASTHMA: POOR AIR QUALITY REDUCES OUTDOOR ACTIVITY
AJ Becker, MPH, PhD; MT Carter, MPH; SN Lajoie MSN
Florida Agriculture and Mechanical University (FAMU), Institute of Public Health (IPH)

09.03.03 - Poster Session III
PSYCHOLOGICAL INSULIN RESISTANCE AMONGST MINORITY POPULATIONS
S Machinani, MD; S Bazargan-Hejazi, PhD; SH Hisa, MD
Environmental Science, College of Science, Engineering and technology, Jackson State University (HAA, LA)

09.04.06 - Poster Session III
RELATIONSHIPS BETWEEN OBESITY AND CV DISEASES IN FOUR SOUTHERN STATES AND COLORADO
HA Ahmad, PhD and L Akil, MS
Environmental Science, College of Science, Engineering and technology, Jackson State University (HAA, LA)

09.06.01 - Poster Session III
A COMPARISON OF CELL COUNTING METHODS IN MICE KIDNEYS
JM Basgen, BA; S Sinha, PhD; SB Nicholas, MD, PhD
Charles R. Drew University of Medicine and Science

09.07.01 - Poster Session III
DOES A GROCERY ACCESSIBILITY MODEL PREDICT FRUIT & VEGETABLE INTAKE?
Robinson, PI; PhD, 2 Dominguez, F, MD 1, MPH. Teklehaimanot, S. MPH 1, Lee, M 1,2, PhD, Brown A, MD MPH,1,2 and Goodchild, M., PhD 3
1 Charles R. Drew University of Medicine and Science, 2 University of California Los Angeles, 3 University of California, Santa Barbara

09.07.02 - Poster Session III
CHILDHOOD OBESITY: PREVALENT CONTRIBUTIONS FROM THE ENVIRONMENT
WR Ayensu, MD, RD Isokpehi, PhD; HH Cohly, PhD, I Farah PhD, PB Tchounwou, Sc.D
Toxicogenomics Lab, College of Science, Engineering and Technology, Jackson State University. Jackson MS 39217 (WKA), RCMI-Center for Environmental Health, College of Science, Engineering and Technology, Jackson State University, Jackson MS 39217 (RD, HHPC, IF)

10 ORAL DISEASE
SYSTEMIC DISEASE ASSOCIATIONS

BASIC SCIENCE

10.02.01 - Poster Session I
PARENTAL KNOWLEDGE ON EARLY CHILDHOOD CARIES
GV Tejada, MD; SE Moore, MD
Children’s Healthcare of Atlanta (GV, SEM); Morehouse School of Medicine (GV, SEM)

10.07.01 - Poster Session I
METABOLIC SYNDROME AND EXTENT OF SEVERE PERIODONTITIS IN GULLAH
RS LEITE, DDS; N Sora, MD, NM Marlow, MSPH; D Bandypadhyay, PhD; JK Fernandez, MD.
 Medical University of South Carolina

10.07.02 - Poster Session I
USING QUANTITATIVE LIGHT-INDUCED FLUORESCENCE TO DETECT TOOTH DECAY
ME Ekoh, DDS; TE CULBREATH, DMD
Howard University College of Dentistry

11 REPRODUCTIVE HEALTH

OTHER

11.01.01 - Poster Session II
HUMAN LEIOMYOMA CELLS GROW IN ADIPOCYTES-CONDITIONED MEDIA VIA TNFα
S NAIR, DVM; A Al-Hendy, MD/PhD
Meharry Medical College (SN, AAH)

11.01.03 - Poster Session II
A NOVEL MOUSE MODEL FOR HUMAN UTERINE FIBROIDS
C. Sharan, Ph.D.; S. Nair, DVM; S. Halder, Ph.D. and A Al-Hendy, MD, Ph.D. (CS, AA)
Center for Women’s Health Research, Department of Obstetrics and Gynecology, Meharry Medical College

SPECIAL TECHNOLOGIES & METHODOLOGIES

CLINICAL
PRE-B CELL COLONY-ENHANCING FACTOR IN NEONATAL LUNG
LK MILLAR SAUVAGE, MD; JL Strzyzewski, MD; A Sierocka-Castaneda, MD, KD Thompson, MD; and CE Wright, PhD
John A. Burns School of Medicine, University of Hawaii

AWAWARENESS OF UTERINE EMBOLIZATION MAY INFLUENCE GYN PRACTICE
MS Abdelrahaim, MD; A Al-Hendy, MD
Sohag University, Egypt (MSA) Meharry Medical College (MSA, AA)

SYNTHESIS OF 2-PYRIDONES AS POTENTIAL AGENTS FOR UTERINE FIBROIDS
TW ARDLEY, PhD; KK Redda, PhD
Florida A & M University College of Pharmacy and Pharmaceutical Sciences (TWA, KKR)

VITAMIN D REGULATION OF INFLAMMATORY MARKERS IN TERM MYOMETRIAL CELLS
C Thota, P Mishra and A Al-Hendy
Center for Women's Health Research, Meharry Medical College

VITAMIN D3 DEFICIENCY, A RISK FACTOR FOR PRETERM BIRTH
C Thota1, R Menon2,3, S Fortunato2 and A Al-Hendy1
Meharry Medical College, Nashville; 2,3Centennial Hospital TN; 1Department of Complementary and Alternative Medicine, Meharry Medical College

THE EFFECT OF FENOFIBRATE, A PPARα LIGAND, ON ARACHIDONIC ACID-INDUCED INFLAMMATION IN AN ENDOMETRIAL CANCER CELL LINE, RL95-2
SS LEWIS, BS; P Sarkar, PhD; BE Hayes, PhD
College of Pharmacy and Health Sciences Texas Southern University

GLUCOCORTICOID AND CD55: MISSING LINK BETWEEN STRESS AND INFERTILITY
R Singh, MD; T Rana, PhD; BJ Nowicki, MD PhD; S Nowicki, DDS
Department of Microbiology and Immunology (TR, RS, SNJN); Department of Obstetrics and Gynecology (BJN, SN)

IS THE DANGER SIGNAL RECEPTOR TLR4 REGULATED DURING PREGNANCY?
S1 Pellom, BS; B Nowicki, MD; MG Izban, Ph.D; T Rana, Ph.D; S Nowicki, DDS
Meharry Medical College

FERTILITY RESTORATION IN CANCER CHEMOTHERAPY-TREATED MICE WITH NPBC
A.E. Archibong, PhD; C. Sharan, PhD; A. Al-Hendy, MD
Meharry Medical College (AEA, CS, AA)

MAMMALIAN SPERM DO NOT CONTAIN ORC1L OR ORC2
1. Sil Payel 2. Ward Steven W
1 Department of Complementary and Alternative Medicine, John A. Burns School of Medicine. University of Hawaii, 96813. 2 Institute for Biogenesis Research, John A. Burns School of Medicine, University of Hawaii at Manoa

DECREASING MATERNAL MORTALITY IN HAWAI I
LK MILLAR SAUVAGE, MD; BY Horieuchi, MPH; PM Ohana, MED; AT Onaka, PhD; JM Burlingame, MD
University of Hawaii (LKM, JMB); State of Hawaii (BYH, ATD); Research Corporation of the University of Hawaii (PMO)

HARM-REDUCTION CLINICAL MODEL FOR SUBSTANCE-USING PREGNANT WOMEN
LK MILLAR SAUVAGE, MD; R Schuetter, RN, MSed, TE Wright, MD, MS John A. Burns School of Medicine, University of Hawaii

ETHNICITY, LIFESTYLE& ENVIRONMENT INFLUENCE SERUM VITAMIN D IN WOMEN
AP Knight, Ph.D; ER Mahmoud, MD
Meharry Medical College (APK, ERM)

PREVALENCE OF AND FAMILIAL PREDISPOSITION TO INTERSTITIAL CYSTITIS/BLADDER PAIN SYNDROME IN HISPANIC POPULATION
MH Hu, MD; J Bergman, MD; NN Bhatia, MD
Charles Drew University of Medicine and Science (MHH); Harbor-UCLA Medical Center, University of California, Los Angeles, California (JB, NNB)

ROLE OF RELIGION AND SPIRITUALITY IN REDUCING INTIMATE PARTNER VIOLENCE
SB Bazargan-Hejazi, Ph.D; M Bazargan, PhD; A Ahmadi, MD; HE del Pino, PhD
Charles R. Drew University of Medicine and Science, Iran; Division of Social Medicine, Karolinska Institute, Stockholm, Sweden (AA)

CORRELATES OF UNPROTECTED VAGINAL SEX DURING PREGNANCY AND ALCOHOL USE: WHAT OB-GYN'S KNOW, BELIEVE AND DO ABOUT IT
RJ Zoobob, MD, MPH; FAAP; YS Senturias; MD; KM Goodman, MSW; LCSW; L Nagle, CPP
Meharry Medical College (RJZ, KMG); University of Louisville (YSS); Bluegrass Prevention Center

KNOWLEDGE OF INTRAUTERINE DEVICES IN A DIVERSE ADOLESCENT POPULATION
B KANEHSIRO, MD; M Barrett, MD; S Takekawa, MD; R Soon, MD
University of Hawaii John A. Burns School of Medicine (BK, MB, ST, RS)

RACIAL DIFFERENCES IN PERINEAL BODY LENGTH IN LABOR
PJ TSAI, MD; M Hiarka, MD; I Oyama, MD; B Kaneshiro, MD
University of Hawaii School of Medicine

POPULATIONS STUDIES

CORRELATES OF UNPROTECTED VAGINAL SEX AMONG AFRICAN AMERICAN FEMALE COLLEGE STUDENTS
Narvar C. Barker, M.S.W., Ph.D.
Meharry Medical College

IPT-SP AGAINST MALARIA AND ANEMIA IN PREGNANT WOMEN IN ACCRA, GHANA
ND Wilson, MPH; SA Oberd, M.D.; AA Adjei, Ph.D.; R Gyasi, M.D.; W Anderson, Ph.D.; NV Lucchi, Ph.D.; JK Stiles, Ph.D.
Morehouse School of Medicine, Atlanta, GA; University of Ghana Medical School, Department of Obstetrics and Gynecology, Korle-Bu, Accra, Ghana; University of Ghana Medical School, Department of Pathology, Korle-Bu, Accra, Ghana; Howard University, Department of Biology, Washington, DC; Malaria Branch, Centers for Disease Control and Prevention, Atlanta, GA

COMMUNITY ENGAGEMENT TO ADDRESS HEALTH DISPARITIES IN PUERTO RICO
EJ Garcia, MD MPH; P Pacheco, Phd; M Rivera, MS; M Colon, MA; A Rivera, MH Mays, PhD; R Rodriguez, MD; J Zevallos, MD
University of Puerto Rico School of Medicine (EJG, PP, MC, MMH, RR, JCC); “Piiones community” (MR, AR)

PREGNANCY AND ALCOHOL USE: WHAT OB-GYN’S KNOW, BELIEVE AND DO ABOUT IT
RJ Zoobob, MD, MPH, FAAP;YS Senturias; MD; KM Goodman, MSW, LCSW; L Nagle, CPP
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University of Puerto Rico School of Medicine (EJG, PP, MC, MMH, RR, JCC); “Piiones community” (MR, AR)
### POSTER LISTING

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<tr>
<td>12.02.05</td>
<td>II</td>
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<td>Participation competence strategies of elderly women who live alone</td>
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<td>ED Orellano, PhD; N Labaht, PhD; N Varas, PhD; GA Mountain, PhD; Medical Sciences Campus, University of Puerto Rico (EOC, NL); University of Puerto Rico, Rio Piedras Campus (NV); University of Sheffield (GAM)</td>
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<td>12.02.07</td>
<td>II</td>
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<td>Managing psychosocial aspects of diabetes and care coordination: Lessons learned from predominately African American diabetics in the MSM community physicians network (CPN)</td>
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<td>Peum, P; Josiah-Willock R; Alema-Mensah, E; Ojutayelo, F; Hayes, B; Quanshie, A; Oni Ed. Morehouse School of Medicine (MSM)</td>
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<td>12.02.08</td>
<td>II</td>
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<td>Disparities in the care of inmates with appendicitis</td>
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<td>LL Dent, MD; MP Dominguez Morehouse Medical College (LLD, MPD)</td>
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<tr>
<td>12.02.09</td>
<td>II</td>
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<td>Negative diabetes emotions among rural African American women</td>
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<td>ST Miller, PhD; K Patel, PhD Meaharry Medical College (STM, KP)</td>
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**COMMUNITY & POPULATIONS STUDIES**

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<td>Predicting mortality in burned patients</td>
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<td>S BRAR, M.D.*; N RANDHAWA, D.D.S.** Christian Medical College, Ludhiana India; *Meharry Medical College, Nashville TN (SB); **Nashville Medical Research, Nashville TN (NR)</td>
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<tr>
<td>12.03.02</td>
<td>II</td>
<td>Poster Session II</td>
<td>Research partnerships to address Alaska Native Health Disparities</td>
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<td>SE HOPKINS, MA and BB Boyer, PhD Center for Alaska Native Health Research, University of Alaska Fairbanks, Fairbanks, Alaska</td>
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<td>12.03.04</td>
<td>II</td>
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<td>Health equity in health-related productivity: Diverse healthcare workforce</td>
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<td>Carol L. Warren, RN-BC, LCW, MBA, PhD Florida A&amp;M University</td>
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<td>12.03.05</td>
<td>II</td>
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<td>Depression among African American women in a primary healthcare center</td>
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<td>KB Holden, PhD; Department of Psychiatry and Behavioral Sciences, Morehouse School of Medicine</td>
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<td>12.03.06</td>
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<td>Awareness of sickle cell disease in the Hispanic - Latino community of Atlanta, Georgia</td>
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<td>PVERWA, MD; B Roberts, MD; IC Aguirre - Lau, MD; B Gee, MD Morehouse School of Medicine (Pv, Br, Ica, Bg); Sickle cell foundation of Georgia (Bcg); Children’s Healthcare of Atlanta (Pv, Bg)</td>
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<td>12.03.07</td>
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<td>Vitamin D supplement in pregnancy may decrease occurrence of rickets</td>
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<td>ER Mahmoud, MD; EA Mohamed, PhD; AF Ahmed, PhD; NM Ab-Elietof, PhD Sohaq Faculty of Medicine, Egypt (Eam, Erm, Afe, Nma)</td>
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<td>12.03.10</td>
<td>II</td>
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<td>Patterns of alcohol consumption in Angolan soldiers</td>
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<td>KG Cheng, Ph.D.; DJ Ortiz, Ph.D.; RE Weiss, Ph.D.; L Shi, Ph.D.; RE Ovalle-Bahamion, Ph.D.; F Ernesto, Ph.D.; MP Grillo, Ph.D.; E Bing, M.B.A., M.D., Ph.D. Charles R. Drew University of Medicine and Science (Kga, Oid, Ls, Red, Egb); University of California at Los Angeles (Rew); Angolan Armed Forces (Fe); U.S. Naval Health Research Center (MPG)</td>
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<td>12.03.11</td>
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<td>Multifaceted approaches to changing health outcomes: the pediatric resource project/ family friends program</td>
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<td>IK Driskell, BA; V Wright, LMSV City College of New York (IKD); Harlem Hospital Center (Vv)</td>
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<td>12.03.12</td>
<td>II</td>
<td>Poster Session II</td>
<td>Community partnerships: not a one-night stand (N=242)</td>
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<td>Nell Griffith Forge, Ph.D., M.P.H.1 and Donna Antoine-LaVigne, Ph.D., M.P.H.2 1 Charles R. Drew University of Medicine and Science, and 2 Jackson State University</td>
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<td>12.03.14</td>
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<td>Impact of beverage consumption on blood lead</td>
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<td>EA Mohamed, PhD; AA El Aizz PhD Sohaq Faculty of Medicine, Egypt (Eam); Sohaq Faculty of Science (Aae)</td>
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<td>12.03.15</td>
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<td>Neighborhood-level nutritional assessments as an innovative approach to understanding root causes of health disparities</td>
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<td>T Sunil, PhD; A Cantu, PhD; C Salazar, MS University of Texas at San Antonio (Ts); University of Texas Health Sciences Center at San Antonio (Ac); University Health Systems (Cs)</td>
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<td>12.03.16</td>
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<td>A new method for community selection in disparities research</td>
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<td>VK Agboto, PhD; CM Setodji, PhD; KM Goodman, MSW, LCSW; RS Levine, MD. VKA, Kmg, Rsl Meaharry Medical College; CMS The Rand Corporation</td>
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<td>12.03.17</td>
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<td>Advancing science and reducing health disparities — Divergent Goals?</td>
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<td>ES Fleming, BA; F Haq, PhD; R. Tanagapha, MD; ME Barnett, MD; L Irms, MDiv; J Perkins, PhD; R Norris, MD. Charles Drew University (Ef, Fh, Li, Kn); University of Hawaii (Ry); Jackson State University (Meb, Jp)</td>
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**EDUCATION**

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<tr>
<td>12.04.01</td>
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<td>Fetal alcohol spectrum disorders (FASD) prevention and diagnoses: What physicians know and ought to know</td>
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<td>RJ Zoorob, MD, MPH, FAAP; KM Goodman, MSW, LCSW Meaharry Medical College (Ruz, Kmg)</td>
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<td>12.04.02</td>
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<td>Effects of the environment on the electrophysiology of flavins</td>
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<td>ER Castro; AL North; AC Mutter; RL Koder, PhD; MR Gunner, PhD The City College of New York (erc, Anl, Acm, Rlx, Mrg)</td>
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<td>12.04.03</td>
<td>III</td>
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<td>The most effective educational delivery methods of cultural competence for health care professionals</td>
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<td>PA Pugh, PhD Capella University</td>
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<td>12.04.04</td>
<td>III</td>
<td>Poster Session III</td>
<td>Educating drug court professionals on fetal alcohol spectrum disorders</td>
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<td>CT Szetela, PhD; KM Goodman, MSW; RJ Zoorob, MD Meaharry Medical College (Cts, Kmg, Ruz)</td>
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**HEALTH POLICY**

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<td>Medical costs in the united states and policies to curtail them</td>
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**SPECIAL TECHNOLOGIES & METHODOLOGIES**

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<td>12.16.06</td>
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<td>The UPR HPCF: Collaborations Supporting Biomedical Research</td>
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<td>HG Ortiz-Zuazaga, PhD University of Puerto Rico, Rio Piedras and Medical Sciences Campus (Hgoz)</td>
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<td>12.06.09</td>
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<td>Rtnr portal: an essential tool for facilitating collaboration research</td>
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<td>O AladoiD, MS; H Li, MS; M E Barnett, MD; J Perkins, PhD; K Norris, MD. Charles Drew University (Ef, Fh, Li, Kn); University of Hawaii (Ry); Jackson State University (Oa, Hl, Meb, Jp)</td>
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25th RCMI Anniversary :: 12th RCMI International Symposium on Health Disparities :: December 6-9, 2010
12.07.20 - Poster Session III
EXCESSIVE AND UNNECESSARY USE OF PRESCRIPTION (RX) & OVER-THE-COUNTER (OTC) MEDICATIONS AMONG UNDERSERVED ELDERLY AFRICAN AMERICANS
M Bazargan, PhD; G Orum-Alexander, Pharm. D; J Smith, MD; N Chukwu, MS; K Huizar, BS; L Millan, BS
Charles R. Drew University of Medicine and Science (MB, GOA, JS, NC, KH, LM), David Geffen School of Medicine (NC)
ABSTRACT REVIEWERS

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University of Texas at El Paso

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Leonard M. Anderson, PhD
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Anthony E. Archibong, PhD
Meharry Medical College

Zikri Arslan, PhD, MS, BS
Jackson State University

Jorge N. Artaza, MS, PhD
Charles R. Drew University of Medicine & Science

Robert Blake, II, PhD
Xavier University of Louisiana

Olga U. Bolden-Tiller, PhD
Tuskegee University

Vincent C. Bond, PhD
Morehouse School of Medicine

Maria Jose Crespo, PhD
University of Puerto Rico School of Medicine

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Ahmed Fadiel, PhD
Meharry Medical College

Cesar D. Fermin, PhD
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Pandu R. Gangula, PhD
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University of Texas at El Paso

C. Alicia Georges, EdD, RN
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Patrick A. Griffith, MD
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Meharry Medical College

Shyamali Mukherjee
Meharry Medical College

Tultul Nayyar, PhD
Meharry Medical College

Pius N. Nde
Meharry Medical College

Pratibha V. Nerurkar, PhD
University of Hawaii at Manoa

Vivek R. Nerurkar, PhD
University of Hawaii at Manoa

Susanne Nicholas
Charles R. Drew University of Medicine and Science

Ramadevi Nimmanapalli
Tuskegee University

Stella Nowicki, MD
Meharry Medical College

Josiah Ochieng, PhD
Meharry Medical College

Miguel Otero, PhD

Universidad Central del Caribe

Mitchell H. Parks
Meharry Medical College

Kushal Patel, PhD
Meharry Medical College

Kermit G. Payne
The Joshua Group, LLC

Michael D. Powell, PhD
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Siddarth Pratap, PhD, MS
Meharry Medical College

Gregory Quirk
Ponce School of Medicine

Veera Rajaratnam
Meharry Medical College

Kasturi Ranganna, PhD
Texas Southern University

Daniel F. Sarpong, PhD
Jackson State University

Leigh Anne Shafer
University of Hawaii at Manoa

Bruce T. Shiramizu, MD
University of Hawaii at Manoa

Amruthesh Shivachar, PhD
Texas Southern University

Lourdes E. Soto de Laurido
University of Puerto Rico School of Medicine

Ada C. Szeto, PhD
Universidad Central del Caribe

Winston E. Thompson, PhD
Morehouse School of Medicine

Chandrasekhar Thota, PhD
Meharry Medical College

Jose A. Torres-Ruiz, PhD
Ponce School of Medicine

Guangdi Wang, PhD
Xavier University of Louisiana

Wei-Kung Wang, MD, SD
University of Hawaii at Manoa

Yanyuan Wu, MD, MS
Charles R. Drew University of Medicine and Science

Yasuhiro Yamamura, PhD
Ponce School of Medicine

Clayton C. Yates, PhD
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Through the RCMI initiative, The City College of New York created the Center for the Study of the Cellular and Molecular Basis of Development (CSCMBD). The Center, built on the existing strengths of the College in the RCMI-supported areas, was enriched by the addition of new research active faculty members. There are now 21 researchers participating in the Center grouped in three scientific areas: (Area Group I) Biomolecular Structure and Function, (Area Group II) Cancer (Area Group III) Neurobiology and (Area Group IV) Immunology. Major equipment purchases and the creation of central facilities further enhanced the activity within the Center.
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Morehouse School of Medicine Ranks Number One in Study on Social Mission!

In the first study of all U.S. medical schools in the area of social mission, MSM ranks number one in the country. The ranking comes as a result of the emphasis MSM places on primary care and serving underserved communities.*

“This ranking is an acknowledgement of the hard work and dedication of our faculty, staff, residents and students and goes to the very core of what MSM has stood for from the very beginning – building a healthier America by focusing on those communities with the biggest health challenges”.

– President John E. Maupin, Jr., D.D.S., M.B.A.

* Source: Annals of Internal Medicine
The 12th RCMI International Symposium on Health Disparities Thanks all of its Proud Supporters of the 2010 Research Pipeline Community Engagement Activities:

About the Activity: A special activity focusing on the K-12 age group was developed to provide information about health technology, tools about health, prevention topics and wellness. The course of interactive instruction included participation by local educational partners of Grades 9-12, undergraduate, and graduate students, and was intended to stimulate their interest in the research pipeline established in RCMI programs. Designed to actively encourage healthy lifestyle, early disease prevention, as well as inspire and attract future scientists and physicians into RCMI program institutions, GE Healthcare joined the symposium with their Healthymagination interactive program to provide information about changing behaviors and promote healthy lifestyles with a focus around smoking, obesity, heart disease, diabetes and high blood pressure. Ultimately, this community engagement opportunity will provide an experience that will inspire, educate, invoke creativity and stimulate interest in science and mathematics.

This community engagement effort will allow students to explore endless opportunities available in Health related research fields. A partnership between The 12th Biennial International Symposium and the RTRN Data Technology Coordinating Center (DTCC) has been established to broadcast the community engagement efforts to K-12 educational programs around the world.

About New Minds :: New Methods: : A Gallery of Art reflecting Global Health & Wellness provided by pre k-8 Students

Creating art is a valuable learning process that challenges students to use their critical thinking skills as well as their creative talents. Similar to the evolution of purposeful, creative interpretations of limitless concepts and ideas through the encouragement of new minds and new methods in science, this activity was designed to empower and foster in students a sense of self through artistic expression. In this collection, students reflect on a world filled with possibilities expressing their personal vision of the RCMI 25th Anniversary Theme: New Minds New Methods, Bridging the Gap between Disparity & Equity. Students exercised their creative imaginations around the theme, “If I Could Do Anything To Make the World Healthier, I Would …” This art recognition and achievement program not only provided students an opportunity to express themselves creatively but also gave them the opportunity to receive positive recognition for their original works of art.
RCMI XIII\textsuperscript{th} International Symposium
Puerto Rico 2012

Stay tuned for more information...