Translational Science 2013:
Increasing the value of your research through team science

April 17-19, 2013 • Omni Shoreham Hotel • Washington, DC

www.translationalsciencemeeting.org

Collaborating Organizations
Clinical Research Forum, CTSA Biostatistics, Epidemiology and Research Design Key Function Group (BERD),
and CTSA Education and Career Development Key Function Committee
Welcome to Translational Science 2013!

Translational Science 2013 is pleased to welcome you to the Omni Shoreham Hotel in Washington, DC for the premier event dedicated to improving healthcare through research and training. Sponsored by the Association for Clinical and Translational Science (ACTS) and the American Federation for Medical Research (AFMR), this meeting proudly joins all disciplines involved in clinical and translational research.

Trainees, educators, senior investigators, administrators, and all others engaged in clinical and translational science will have the opportunity to connect with leaders in government, academia, and philanthropy to gain perspective on the state of the discipline and its future direction. Translational Science 2013 is excited to present a robust educational program with sessions designed to update you on the latest advancements in the field. Attendees are encouraged to collaborate and share ideas through our poster presentations, mock study sections, advocacy training, and published research.

We hope that this meeting proves to be an excellent learning experience for all our attendees, providing new information on the latest developments in the techniques and processes vital for the successful conduct of clinical and translational science. The 2013 Meeting Program Committee has worked diligently to bring together prominent leaders, including the plenary speakers listed featured on page 5.

Our sincere thanks to the 2013 Meeting Program Committee for their hard work and time spent in developing this event.

2013 Joint Annual Meeting Program Committee

Chairs
Lars Berglund, MD, PhD
University of California- Davis Translational Science Center
Dan Ford, MD, MPH
Johns Hopkins University School of Medicine

Members
Jasjit Ahluwalia, MD, MPH
University of Minnesota Medical School
Keith Colburn, MD
Loma Linda University Medical Center
Nancy Desmond, PhD
National Institute of Mental Health, NIH
Robert Freishtat, MD, MPH
Children’s National Medical Center
Marie Gelato, PhD, MD
Stony Brook University

Michael J. Lichtenstein, MD
University of Texas-San Antonio
Emma Meagher, MD
University of Pennsylvania
Sonali Patel, MD, PhD
University of Iowa Medical School
Ellie Schoenbaum, MD
Albert Einstein College of Medicine
David Schteingart, MD
University of Michigan
Kathryn Schuff, MD
Oregon Health and Science University
Abraham Thomas, MD, MPH, FACP
Henry Ford Hospital
Roy Weiner, MD
Tulane University School of Medicine

Sincerely,

Anantha Shekhar, MD, PhD
ACTS President
Abraham Thomas, MD, MPH, FACP
AFMR President
2013 ACTS/AFMR Awards

ACTS Distinguished Investigator Awards

Edward H. Ahrens, Jr. Award for Patient Oriented Research
Presented Thursday at 8:00 am

Jan T. Vilcek, MD, PhD, NYU School of Medicine

Jan Vilcek, MD, PhD, is a remarkably accomplished investigator who has authored more than 350 papers. Just as importantly, Dr. Vilcek has more than 30 patents to his credit, accomplishments which provide a lasting testament to his dedication to translating his scientific observations to therapies for patients. More recently Dr. Vilcek has devoted his efforts to recognizing the accomplishments of immigrants in the sciences and arts through the annual Vilcek Foundation Awards.

ACTS National Award for Career Achievement and Contribution to Clinical and Translational Science for Translation from Early Clinical Use to Applicability for Widespread Clinical Practice
Presented Thursday at 5:00 pm

Stanley A. Plotkin, MD, Perelman School of Medicine at the University of Pennsylvania

Stanley A. Plotkin, MD, is the dean of the world’s contemporary vaccinologists. He has developed or been one of the prime developers of several important licensed vaccines, including rabies, cell-culture rabies, and pentavalent rotavirus. Plotkin also worked on the earliest oral polio vaccines and has been a pioneer in the development of a vaccine against the human cytomegalovirus, cause of thousands of cases of congenital deafness and mental retardation, as well as being a major cause of complications of organ and stem cell transplantation. He continues to work on vaccine development against cytomegalovirus as well as the human immunodeficiency virus. In addition, he has put together the first and only textbook on vaccines, now in its sixth edition, which is considered the bible for the field, as well as organizing the first course on vaccinology for students from all over the world.

ACTS National Award for Career Achievement and Contribution to Clinical and Translational Science for Translation from Clinical Use into Public Benefit and Policy
Presented Thursday at 5:00 pm

Brian L. Strom, MD, MPH, Perelman School of Medicine at the University of Pennsylvania

Brian L. Strom, MD, MPH, is the George S. Pepper Professor of Public Health and Preventive Medicine, Professor of Biostatistics and Epidemiology, Professor of Medicine, Professor of Pharmacology, Founding Director of the Center for Clinical Epidemiology and Biostatistics (CCEB, 1993-2012), Founding Chair of the Department of Biostatistics and Epidemiology (DBE, 1995-2012), Founding Director of the Graduate Group in Epidemiology and Biostatistics (1995-2007), and Executive Vice Dean for Institutional Affairs, all at the Perelman School of Medicine (PSOM) of the University of Pennsylvania (Penn). Dr. Strom has been a pioneer in the field of clinical epidemiology, generally, and in pharmacoepidemiology, specifically. He has pursued three central lines of research: developing large automated databases as tools for research, developing new methods for the use of non-experimental methods to study drug benefit, and using conventional epidemiologic techniques to evaluate adverse and beneficial drug effects.

ACTS Distinguished Educator Award
Presented Thursday at 8:00 am

Robert S. Dittus, MD, Vanderbilt University

Robert Dittus, MD, has had a distinguished and innovative career in clinical research, clinical research training, leadership, and mentorship in clinical research and research training programs, and extensive service at multiple levels. His contributions include securing more than 80 grants for over $250M in funding with 200+ publications, developing innovative methods for clinical research and medical decision making, and innovative decision analysis and clinical research with care and policy impact.

AFMR Outstanding Investigator Award
Presented Thursday at 8:00 am

Rachel M. Werner, MD, PhD, Perelman School of Medicine at the University of Pennsylvania

Rachel Werner, MD, PhD, is one of the nation’s most visionary and charismatic young scholars. Her research has substantially advanced understanding of how healthcare quality can be measured as well as the impact of those measurements on policy, healthcare financing, and the delivery of healthcare to advantaged and disadvantaged social groups. Dr. Werner represents a leader in the social and mathematical sciences who is defining research for the next generation and advancing quality and equity in health care.

ACTS Team Science Award
Presented Thursday at 5:00 pm

Clinical Center at NIH Team, Clinical Center, National Institutes of Health

Healthcare-associated infections occur in every medical facility in the world, affecting millions of patients a year in the United States alone and adding substantially to medical costs. Strains of the bacterial pathogen Klebsiella pneumoniae that are resistant to carbapenem antibiotics are collectively called Klebsiella pneumoniae producing carbapenemase (KPC). In the past 10 years, KPC bacteria have become increasingly common in healthcare facilities. An outbreak of KPC at the NIH Clinical Center began in June of 2011 and required intense infection control measures and vigilant hospital-wide surveillance to break the chain of transmission. Hospital Epidemiology experts at the NIH Clinical Center collaborated with scientists at the National Human Genome Research Institute (NHGRI), also part of NIH, and scientists from the Microbiology Service in the Clinical Center’s Laboratory Medicine Department to sequence the whole genomes of KPC isolates identified during the course of the hospital epidemic. The application of genomics to infection control helped investigators understand the epidemiology of the outbreak, helped identify that silent transmission was occurring; and, ultimately, helped bring the outbreak under control by allowing investigators to decipher how the bacteria spread throughout the hospital. This achievement has ushered in a new technology for the daunting challenge of infection control that is likely to transform the field of hospital epidemiology.
Translational Science 2013
Meeting Goals
At the conclusion of this activity, participants should be:

- Inspired by the great successes of clinical and translational research and be able to describe how they have improved the lives of so many people
- Provided with the newest and most valuable information in clinical and translational science
- Provided with an opportunity to present their research to a supportive group of peers, educators, and senior investigators
- Provided with exciting and dynamic career development programs for trainees and their mentors
- Provided with a venue for educators to present best practices in clinical and translational research career development

Target Audience
Meeting participants include individuals engaged in clinical and translational science at every stage of their careers to come together and share best practices. This includes:

Research Scientists, Scientific Administrators, New Investigators, Educators, and Scholar/Trainees involved in academia, industry, philanthropy, and government.

Statement of Need
Clinical and translational research educators are training future investigators in a changing world and need to be able to identify current methods for educating and training clinical and translational researchers as well as identify methods for optimal alignment with goals of funding agencies. Clinical and translational scientists are working to adapt research to address improvement in human health and need to be able to identify examples of innovative and significant clinical and translational research. The Translational Science 2013 meeting is designed to fulfill these needs by providing attendees with networking opportunities and presentations from plenary speakers and other leaders. Educational sessions are designed to provide information on the latest in translational science and attendees have the opportunity to collaborate through poster presentations, mock study sections, advocacy training, and published research.

Accreditation Statement
This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Duke University School of Medicine and The American Federation for Medical Research, The Association for Clinical Research Training, and The Association for Clinical and Translational Science. The Duke University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation
The Duke University School of Medicine designates this live activity for a maximum of 10.75 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Instructions on How to Receive CME Credit
In order to receive CME credit, participants must complete the credit designation sheet enclosed in your meeting bag, review the CME information (accreditation, learning objectives, faculty disclosures, etc.), and attend the CME activity. Participants should also complete the activity online evaluation following the CME activity.

Meeting Evaluation Link
An email will be sent to you following the conclusion of the Translational Science 2013 meeting. Here is the link for your reference:
https://s.zoomerang.com/s/TranslationalScience2013

*Please do your best to complete the survey in order to receive best results in 2014.

Disclaimer
The information provided at this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient’s medical condition.

Jointly sponsored by the Duke University School of Medicine (CME accredited provider), The Association for Clinical and Translational Science, and the American Federation for Medical Research
Keynote Speakers

Margaret Anderson

Thursday, April 18 at 8:00 am
Margaret Anderson, Chief Executive Officer of FasterCures/The Center for Accelerating Medical Solutions, is responsible for defining the organization’s strategic priorities and positions on key issues, developing its programmatic portfolio, and managing its operations. She has extensive experience in managing biomedical and public health initiatives and facilitating multi-sector collaborations.

Otis Brawley, MD

Thursday, April 18 at 8:00 am
Dr. Otis Brawley, Medical Director and Executive Vice President for the American Cancer Society, is recognized as a leader in eliminating global health disparities and currently promotes cancer prevention, early detection, and quality cancer treatment. He will speak on the unique role of Foundations in training and funding new translational investigators.

Andrew Plump, MD, PhD

Thursday, April 18 at 5:00 pm
Dr. Andrew S. Plump is Vice President of Research and Translational Medicine and Deputy to the President of Global R&D at Sanofi.
Andrew Plump joined Sanofi after eleven years in the pharmaceutical industry where he held various positions at Merck, initially as director in the Department of Clinical Pharmacology and subsequently in Clinical Molecular Profiling and subsequently as vice president and head of translational medicine and discovery in the Cardiovascular Disease Franchise. He was appointed to his present position in July 2012.

Ezekiel Emanuel, MD, PhD, MSc

Friday, April 19 at 8:00 am
Wiley Speaker
Dr. Ezekiel Emanuel is Vice Provost for Global Initiatives, Diane v.S. Levy and Robert M. Levy University Professor, and Chair of the Department of Medical Ethics and Health Policy at the University of Pennsylvania.
Dr. Emanuel was the founding chair of the Department of Bioethics at the National Institutes of Health and held that position until August of 2011. Until January 2011, he served as a Special Advisor on Health Policy to the Director of the Office of Management and Budget and National Economic Council. He is also a breast oncologist and author. Dr. Emanuel has published widely and is an opinion-editorial contributor to the New York Times.

Christopher Austin, MD

Friday, April 19 at 12:15 pm
Dr. Austin, Director of the National Center for Advancing Clinical and Translational Science (NCATS), has been recently appointed and previously served as director of the NCATS Division of Pre-Clinical Innovation.
Austin came to NIH in 2002 from Merck, where his work focused on genome-based discovery of novel targets and drugs. He began his NIH career as the senior advisor to the director for translational research at the National Human Genome Research Institute. Other NIH roles have included serving as director of the Therapeutics for Rare and Neglected Diseases program as well as the NIH Chemical Genomics Center and as scientific director of the NIH Center for Translational Therapeutics.
# Program-at-a-Glance

## Wednesday, April 17 (Non-CME Events)

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:30 am-12:30 pm</td>
<td>NIH Clinical Center Tour — Meet in hotel lobby at 7:15 am</td>
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<tr>
<td>8:30 am-10:00 am</td>
<td>Advocacy Training — Forum, Senate, Council, &amp; Cabinet Rooms</td>
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<tr>
<td>10:00 am-3:00 pm</td>
<td>Hill Day Advocacy Visits — Off-site; Meet in hotel lobby at 10:00 am</td>
</tr>
<tr>
<td>1:00 pm-4:00 pm</td>
<td>Grantsmanship Short Course — Cabinet Room</td>
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<tr>
<td>5:00 pm-7:00 pm</td>
<td>Opening Reception — Ambassador Ballroom</td>
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## Thursday, April 18

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<tr>
<td>7:00 am-8:00 am</td>
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<td>8:00 am-9:00 am</td>
<td>Opening Plenary and Award Presentations — Regency Ballroom</td>
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<tr>
<td>9:00-10:00 am</td>
<td>&quot;The American Cancer Society’s Extramural Grants Research Program&quot; — Otis Brawley, MD</td>
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<td>“The Evolving Role of Patients in the R&amp;D Ecosystem” — Margaret Anderson</td>
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<tr>
<td>9:30 am-11:00 am</td>
<td>Poster Session 1 &amp; Coffee Break — Ambassador Ballroom</td>
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<tr>
<td>11:00 am-Noon</td>
<td>Lunch on Your Own — Cash &amp; Carry, Palladian Foyer</td>
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<tr>
<td>Noon-1:00</td>
<td>Scientific Presentations from the Clinical Research Forum “Top 10” Scientific Awardees — Regency Ballroom</td>
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<tr>
<td>1:00 pm-2:30 pm</td>
<td>Concurrent Sessions</td>
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<tr>
<td>2:45 pm-4:45 pm</td>
<td>Mock Study Sections — Committee, Council, Senate, Forum, and Cabinet Rooms</td>
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<tr>
<td>3:00 pm-4:30 pm</td>
<td>Concurrent Sessions</td>
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<tr>
<td>4:30-5:00 pm</td>
<td>Coffee Break — Regency Gallery</td>
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<tr>
<td>5:00 pm-6:30 pm</td>
<td>Awards and Joint Plenary Session with Clinical Research Forum</td>
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<tr>
<td>6:00-7:00 pm</td>
<td>Translational Drug Discovery: Transforming Science into Medicine — Andrew Plump, MD, PhD — Regency Ballroom</td>
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<tr>
<td>7:00-8:00 pm</td>
<td>Reception and Poster Session 2 — Co-Sponsored by the Clinical Research Forum — Ambassador Ballroom</td>
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### Program-at-a-Glance

#### Friday, April 19

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<td>Reforming Research Ethics Regulations — Ezekiel Emanuel, MD, PhD, MSc</td>
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<tr>
<td>9:00-10:00</td>
<td>9:00 am-10:30 am — Poster Session 3 &amp; Coffee Break</td>
<td>Ambassador Ballroom</td>
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<td>10:30 am-12:00 pm — Concurrent Sessions</td>
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<td>• Meeting with NIH and PCORI Program Officers - Regency Ballroom</td>
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<td>• Translational Research Collaborations with the Armed Services - Diplomat Ballroom</td>
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<td>• Transdisciplinary Research Collaborations: Challenges, Benefits and Needed Competencies - Palladian Ballroom</td>
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<td>• Powerful Teams: Capitalizing on Diversity - Congressional A/B</td>
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<td>• Navigating the FDA Regulatory Landscape - Executive Room</td>
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<tr>
<td>11:00-12:00</td>
<td>12:00 pm-12:15 pm — Coffee Break — Palladian Foyer</td>
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<tr>
<td>Noon-1:00</td>
<td>12:15-1:00 pm — Closing Plenary — NCATS: Catalyzing Translational Innovation — Christopher Austin, MD — Palladian Ballroom</td>
<td>Noon-1:00</td>
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## Schedule of Events

**Wednesday, April 17, 2013**  
*(Non-CME Events)*

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<td>NIH Clinical Center Tour <em>(pre-registration required)</em></td>
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<td>Bussing will be provided to the NIH Campus for a tour of the NIH Clinical Center. Meet in hotel lobby at 7:15 am.</td>
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<td>8:30 am - 10:00 am</td>
<td>Advocacy Training <em>(pre-registration required)</em></td>
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<td><em>Forum Room, Senate Room, Council Room, Cabinet Room</em></td>
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<td>This session will provide valuable information and training on effective communication with your legislators. Support research funding through participation!</td>
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<td>10:00 am - 3:00 pm</td>
<td>Hill Day Advocacy Visits <em>(pre-registration required)</em></td>
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<td><em>Off-site, Meet in the hotel lobby at 10:00 am.</em></td>
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<td>Following Advocacy Training, participants will head up to Capitol Hill to meet with their legislators. We will pair more experienced advocates with newer visitors. See your government at work and let your voice be heard!</td>
</tr>
<tr>
<td>1:00 pm - 4:00 pm</td>
<td>Grantsmanship Short Course <em>(pre-registration required)</em></td>
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<td><em>Cabinet Room</em></td>
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<td>Dr. Robert Freishtat, a young investigator who has successfully transitioned from training (K) to research (R) grants, has developed an outstanding module for new investigators to learn about grant applications and writing. Space is limited for this hands-on workshop, especially appropriate for those seeking K trainee funding and those moving from K funding to research (R) funding.</td>
</tr>
<tr>
<td>5:00 pm - 7:00 pm</td>
<td>Opening Reception</td>
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<td><em>Ambassador Ballroom</em></td>
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<td>Join us as we welcome all meeting attendees for drinks and hors d’oeuvres. This is an excellent opportunity to meet with old friends and network with new colleagues in the clinical and translational science industry.</td>
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**Thursday, April 18, 2013**  
*(CME Program)*

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**Welcome**  
Anantha Shekhar, MD, PhD, ACTS President

**Introduction of AFMR President, Abraham Thomas, MD, MPH, FACP, and ACTS Executive Committee, Harry Selker, MD, MPH, Michael Lichtenstein, MD, Rebecca Jackson, MD, Roy Weiner, MD, and Ellie Schoenbaum, MD**

**Presentations by Award Winners**  
Jan T. Vilecek, MD, PhD, NYU School of Medicine  
Robert S. Dittus, MD, Vanderbilt University  
Rachel M. Werner, MD, PhD, University of Pennsylvania

**Session chair: Roy Weiner, MD, Tulane University School of Medicine**

**“The American Cancer Society’s Extramural Grants Research Program”**  
Otis Brawley, MD, Scientific Director, American Cancer Society

The NIH is by far the largest funder of medical research in the U.S. However, foundations can have a positive effect by plugging holes in the Federal research grants. For example, the American Cancer Society shifted its cancer research funding program to support the young investigators when the National Cancer Institute eliminated set aside funds for new investigators.

**“The Evolving Role of Patients in the R&D Ecosystem”**  
Margaret Anderson, CEO, FasterCures

Lately it seems that drug developers and media alike are awakening to the profound impact of patients and patient organizations in driving the direction of medical research. Frustrated by the lack of options and armed with a unique understanding of the challenges, these foot-soldiers for cures are taking their fight from the bedside to the lab—funding high-risk, high-reward research projects, finding and fostering scientific expertise, and shifting the perception of patients as advocates to patients as participants. This presentation will address lessons in patient participation – how to find and engage them before you need their help, what they’re doing to speed medical progress in their diseases, and what you can learn from their pioneering efforts.

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**9:30 am - 11:00 am**  
**Poster Session 1 (non-CME) & Coffee Break**  
*Ambassador Ballroom*

Abstracts were accepted from a variety of categories and offer the opportunity for trainees and senior researchers to present their work and gain valuable recognition with leaders in the field.

**11:00 am - Noon**  
**Lunch On Your Own**  
*Location: Palladian Foyer*

Buy a tasty, quick bite from the conveniently located lunch cart. Feel free to eat your lunch during the afternoon concurrent sessions.

**11:30 am - 1:00 pm**  
**Scientific Presentations from the Clinical Research Forum**

**“Top 10” Scientific Awardees**  
Session Chair: Herbert Pardes, MD, Clinical Research Forum, New York-Presbyterian Hospital
Schedule of Events

Presentations by Awardees

Use of a Neurally Controlled Robotic Arm by People with Tetraplegia
Leigh R. Hochberg, MD, PhD, Massachusetts General Hospital, Brigham & Women’s Hospital, and Spaulding and Harvard Medical School

Expanding the Bone Marrow Donor Pool for Sickle Cell Patients Using HLA-Haploidentical Bone Marrow Transplantation
Robert A. Brockley, MD, Johns Hopkins University and Johns Hopkins Bayview

Identification of Genetic Loci that Confer Neurodevelopmental Risk Across Diagnostic Boundaries
Michael E. Talowski, PhD, Harvard Medical School, Massachusetts General Hospital, and The Broad Institute of MIT and Harvard

Patient Outcomes After Aortic-Valve Replacement
Martin B. Leon, MD, Columbia University Medical Center and New York-Presbyterian Hospital

1:00 pm - 2:30 pm
Concurrent Sessions

Two to Tango? Mentee and Mentor Evaluations
Palladian Ballroom
Session Chair: Emma Meagher, MD, University of Pennsylvania
Session Chair: Jane E.B. Reusch, MD, University of Colorado, Denver

Role of the Mentee in Mentoring Success: Enhancing and Evaluating Skill Building for Mentee and Mentor
Anne Libby, PhD, University of Colorado School of Pharmacy

Challenges to Evaluating Mentoring Success
Ellen Seely, MD, Harvard Medical School and Brigham and Women’s Hospital

With the ever increasing recognition of the importance of mentoring, it is essential to recognize the parallel need for methods to evaluate the success and failures of our mentoring initiatives. This session will focus on practical ways to evaluate mentoring relationships. Speakers will present their experience with the evaluation methods they have developed and implemented within their own institution.

Overcoming Challenges in Team Science
Diplomat Ballroom
Session Chair: Roy Weiner, MD, Tulane University School of Medicine
Session Chair: Ellie Schoenbaum, MD, Albert Einstein College of Medicine

Effective Communications Across Institutions and Disciplines
Courtney Baker, PhD, Tulane University

Trans-Disciplinary Approach to Determining Cognitive and Brain Mechanisms of Mobility Impairments and Disability in Older Adults
Roee Holtzer, PhD, Albert Einstein College of Medicine

Working in Teams/Bringing on Changes: Perioperative Outcomes in Patients Undergoing Orthopedic Surgery
Madhu Mazumdar, PhD, MA, MS, Weill Cornell Medical College

This session will feature three clinical and translational team researchers. Each will tell his/her own story of team evolution, emphasizing the barriers, and opportunities they encountered. Panelists will discuss effective communication between disciplines at different institutions collaborating on a multidisciplinary behavioral research project. There will be adequate time for Q&A.

Partnering with Patient Groups on Drug Development
Executive Room
Session Chair: Daniel Ford, MD, MPH, Johns Hopkins University School of Medicine
Session Chair: Michael P. Boyle, MD, FCCP, Johns Hopkins Adult Cystic Fibrosis Program

CF Foundation’s Vision for Developing New Therapies
Preston Campbell, III, MD, Cystic Fibrosis Foundation

Working with the CF Foundation from an Investigator’s Perspective
Michael P. Boyle, MD, FCCP, Johns Hopkins Adult Cystic Fibrosis Program

Working with Foundations: Fighting Blindness Foundation Perspective
Stephen Rose, PhD, Fighting Blindness Foundation

With the changing climate of research funding, Foundations will play an increasingly important role in providing support for translational research. In this session we will discuss resources available through Foundations, utilizing the Cystic Fibrosis Foundation’s Drug Development Pipeline as a model. In addition we will outline strategies for accessing resources from Foundations.

Pediatric Rare Diseases Growing Up: Outcomes in Adulthood
Congressional A/B
Session Chair: Frederick Kaskel, MD, PhD, Albert Einstein College of Medicine

The Impact of Childhood Chronic Diseases on Peak Bone Mass and Life-long Bone Health
Mary B. Leonard, MD, MSCE, The Children’s Hospital of Philadelphia and Perelman School of Medicine at the University of Pennsylvania

Clinical Trials in Children and Adults with Cystic Fibrosis
Ronald Rubenstein, MD, PhD, The Children’s Hospital of Philadelphia and Perelman School of Medicine at the University of Pennsylvania

N-Carbamylglutamate: From Illegitimate Cofactor to Anti-Hyperammonemia Drug
Mendel Tuchman, MD, Children’s National Medical Center and The George Washington University

With the medical advances achieved in the past few decades, children with rare congenital and chronic diseases are now surviving beyond childhood. Studies across the pediatric-adult transition are examining long term outcomes and have presented unique challenges in study design and implementation.

(continued on next page)
Characteristics of MD, MD/PhD Trainees Intending a Career in Translational Research
Cabinet Room
Session Chair: Jennifer M Kwan, University of Illinois, Chicago
Session Chair: Barry Coller, MD, The Rockefeller University, Center for Clinical and Translational Research
Speakers:
Barry Coller, MD, The Rockefeller University, Center for Clinical and Translational Research
Lars Berglund, MD, PhD, University of California-Davis
Bradley Evanoff, MD, MPH, Washington University in St. Louis
Doris Rubio PhD, University of Pittsburgh

Setting the backdrop for the session, pilot data representative of five institutions with both CTSA and MSTP from APSA's Tomorrow's Physician Initiative featuring characteristics of MD, MD/PhD predoctoral trainees intending a translational research career including specialty interests, current and anticipated obstacles, and factors important to their career selection will be presented. In the second part of this session, a panel of CTSA PIs will then discuss skillsets important for translational research, resources available to predoctoral trainees interested in translational research, ways trainees have gotten involved, and ways trainees are encouraged to participate in translational research.

2:45 pm - 4:45 pm
Mock Study Sections*
Committee Room, Council Room, Senate Room, Forum Room, Cabinet Room

These sessions include leaders from the NIH review community and a senior investigator, to demonstrate how grants are reviewed. This experience is highly valuable for the new or recent grant applicant. Each participant will review grants to learn how the process works.

*See the registration desk for your location. Pre-registration is required.

3:00 pm - 4:30 pm
Concurrent Sessions

Integrating Biological Markers into Clinical Research Study Design
Diplomat Ballroom
Session Chair: Brad H. Pollock, MPH, PhD, University of Texas Health Science Center at San Antonio
Speakers:
Brad H. Pollock, MPH, PhD, University of Texas Health Science Center at San Antonio
Christopher J Lindsell, PhD, University of Cincinnati

Over the last two decades, biologic markers—biomarkers—have been a cornerstone of biomedical research. Biomarkers can be used to identify populations at risk for a disease, disease characterization at the time of diagnosis, as measures to monitor treatment effects, and as prognostic markers. This session will consider the appropriate incorporation of biomarkers into the design of clinical and translational research studies, and their subsequent impact on clinical care and quality. Case examples and recommendations will be presented.

Use of Electronic Medical Records for Research
Congressional A/B
Session Chair: Cynthia Morris, PhD, MPH, Oregon Health & Science University

Instrumenting the Healthcare Enterprise for Discovery Research
Shawn Murphy, MD, PhD, Massachusetts General Hospital and Harvard Medical School

Using Multi-Center Clinical Data to Assess Patterns of Care
Charlie Bailey, MD, PhD, The Children's Hospital of Philadelphia and Perelman School of Medicine at the University of Pennsylvania

Awardee Research
(Joint with The Clinical Research Forum)

Scientific presentations from the Clinical Research Forum “Top 10” scientific awardees
Session Chair: Eugene Orringer, MD, University of North Carolina TraCS Institute, University of North Carolina-Chapel Hill

Neuroprosthetic Control in Tetraplegia
Jennifer L. Collinger, PhD, VA R&D Center of Excellence, University of Pittsburgh

Targeting BRAF and MEF Inhibition in Melanoma with CRAF V600 Mutations
Ryan Sullivan, MD, Harvard Medical School and Massachusetts General Hospital

Identification of Osteoporosis in Older Postmenopausal Women
Margaret Gourlay, MD, MPH, University of North Carolina-Chapel Hill

4:30 pm - 5:00 pm
Coffee Break
Regency Gallery

5:00 pm - 6:30 pm
Awards and Joint Plenary Session with Clinical Research Forum
Regency Ballroom
Session Chair: Anantha Shekhar, MD, PhD, ACTS President
Session Chair: Robert Califf, MD, CR Forum Chairman

Presentations by Award Winners
Stanley A. Plotkin, MD, Perelman School of Medicine at the University of Pennsylvania
Brian L. Strom, MD, Perelman School of Medicine at the University of Pennsylvania
Clinical Center at NIH Team: David Henderson, MD, National Institutes of Health
Schedule of Events

10:30 am - 12:00 pm
Concurrent Sessions

Meeting with NIH and PCORI Program Officers
Regency Ballroom
Session Chair: Nancy Desmond, PhD, National Institute of Mental Health (NIMH)
After brief, introductory remarks by representatives from the NIH and from PCORI, there will be opportunities for early-career investigators to meet with Program Officers from various NIH Institutes and with Program Area Directors from PCORI in small groups to discuss funding opportunities, potential applications, and application strategies.

Translational Research Collaborations with the Armed Services
Diplomat Ballroom
Session Chair: Alan L. Peterson, PhD, ABPP, University of Texas Health Science Center at San Antonio
Speakers:
Alan L. Peterson, PhD, ABPP, University of Texas Health Science Center at San Antonio
Stacey Young-McCaughan, RN, PhD, AOCN, University of Texas Health Science Center at San Antonio
This session will discuss ways civilian academic researchers have successfully collaborated with the Department of Defense to conduct clinical translational research. Exemplars of database investigations, cross-sectional, and prospective clinical trials from the perspective of clinicians and researchers who conducted research while on active duty and continue to do collaborative studies with the military will be presented. Common challenges to conducting research with the DoD such as meeting regulatory requirements, staffing research studies, documentation of clinical workload, aligning with priorities of care, and execution of research funding will be considered.

Transdisciplinary Research Collaborations: Challenges, Benefits, and Needed Competencies
Palladian Ballroom
Session Chair: Sarah Gehlert, PhD, Washington University at St. Louis
Session Chair: Kara L. Hall, PhD, National Cancer Institute
Lessons Learned from Transdisciplinary Researchers and Findings from the Science of Team Science Field
Speaker: Kara L. Hall, PhD, National Cancer Institute
Challenges and Benefits of Current Transdisciplinary Initiatives
Speaker: Sarah Gehlert, PhD, Washington University in St. Louis
In this session, the speakers will draw on a wide array of sources, including in-depth interviews with researchers and first-hand experience, to illuminate the challenges, benefits, and competencies needed to be successful in engaging and leading transdisciplinary team-based science. The speakers will share lessons learned from several transdisciplinary research initiatives, showcase key findings from the emerging field of the science of team science, and highlight critical facilitators to conducting integrative translational science with collaborators across disciplines, fields, and professions.

6:30 pm - 8:00 pm
Reception and Poster Session 2 –
Co-Sponsored by the Clinical Research Forum

Ambassador Ballroom
This poster session will feature collected abstracts from a variety of categories. Trainees and senior researchers will present their work and gain valuable recognition with leaders in the field.

Friday, April 19, 2013
(CME Program)

7:00 am - 8:00 am
Continental Breakfast
Regency Gallery

8:00 am - 9:30 am
Plenary Session
Regency Ballroom
Session Chair: Harry Selker, MD, MPH, Tufts Medical Center

Reforming Research Ethics Regulations
Ezekiel Emanuel, MD, PhD, MSc, Vice Provost for Global Initiatives, University of Pennsylvania
Wiley Speaker
In the wake of the Affordable Care Act, research practices will undergo review and modification. Human subjects research, in particular, will be affected by the implementation of the revised healthcare bill. In this session, Dr. Emanuel will discuss his predictions regarding the future of clinical and translational science research and make recommendations for navigating the new policies and regulations.

9:00 am - 10:30 am
Poster Session 3 & Coffee Break
Ambassador Ballroom
This poster session will feature collected abstracts from a variety of categories. Trainees and senior researchers will present their work and gain valuable recognition with leaders in the field.

Translational Drug Discovery: Transforming Science into Medicine
Andrew Plump, MD, PhD, Vice President, Research & Translational Medicine and Deputy to the President of Global R&D, Sanofi
The pharmaceutical industry has suffered from a lack of productivity in research, both in large pharma and in the biotechnology sector. The unsustainable cost of developing a new therapy has been driven by the massive expense of failure. Three major drivers to these large costs are: (1) lack of attention to human or translational biology in research leading to poor target selection; (2) insufficient focus on the challenges of development at the time of target selection, leading to long and costly failures in early development; and (3) over emphasis on general rather than segmented patient populations leading to expensive Phase 3 setbacks. A greater focus on translational medicine can help to improve our success in delivering innovative medicines to patients.
Schedule of Events

Powerful Teams: Capitalizing on Diversity
Congressional A/B
Session Chair: Jasjit S Ahluwalia, MD, MPH, MS, University of Minnesota Medical School
Speakers:
Jasjit S Ahluwalia, MD, MPH, MS, University of Minnesota Medical School
Deborah E. Powell, MD, University of Minnesota Medical School

Leaders, usually unconsciously, will populate their teams with members who think like they do. In addition, they may also engage and are most comfortable with members who resemble them, with regards to race/ethnicity, gender, and other attributes, such as religion, attendance at elite colleges, etc. Increasingly, evidence points to greater success for diverse teams. This workshop will focus on the first two attributes, but also talk broadly about building powerful teams. The session chair has experience as a department chair, associate dean, and center director, and serves on a number of boards and a NIH advisory council. The second speaker was the first woman to have served as a medical school dean at two institutions, was the Chair of the AAMC, and has served on numerous national panels.

Navigating the FDA Regulatory Landscape
Executive Room
Session Chair: Emma Mceachern, MD, University of Pennsylvania
Speakers:
Sponsoring and IND? Ignorance is Not Always Blissful
Lisa A. Speicher, PhD, The Children's Hospital of Philadelphia
Navigating the Path to a Successful Investigational New Drug (IND) Application: Perspectives of an IND Sponsor
Marion Vetter, MD, MTR, University of Pennsylvania
Navigating Through Regulatory Waters: The DOs and DON'Ts of Preparing an Investigational New Drug Application
Larissa Lapteva, MD, MHS, Food and Drug Administration

This session will focus on practical ways to navigate the landscape of FDA regulated research with a focus on IND regulation. The perspective of an IND sponsor junior investigator, a regulatory support specialist working in an academic setting and an FDA officer will participate in sharing their experiences and practice pearls for successful conduct of FDA complaint research.

12:00 pm - 12:15 pm
Coffee Break
Palladian Foyer

12:15 pm - 1:00 pm
Closing Plenary
Palladian Ballroom
Chair: Abraham Thomas, MD, MPH, Henry Ford Hospital
NCATS: Catalyzing Translational Innovation
Christopher Austin, MD, Director of the National Center for Advancing Translational Science (NCATS)
Ancillary Meeting Schedule

All ancillary functions are open to the public unless identified as “invitation-only.”

Wednesday, April 17

1:00 pm- 4:00 pm
Grantsmanship Short Course
Cabinet Room
Pre-registration required

1:30 pm- 5:00 pm
CTSA PI Retreat
Hampton Room
Invitation only

6:30 pm-10:00 pm
CTSA PI Dinner
Hampton Room
Invitation only

7:00 pm- 10:00 pm
Education and Career Development Key Function Committee
Congressional A/B
Invitation only

Thursday, April 18

11:00 am-12:30 pm
CTSA Education Administrators Network Meeting
Senate Room
Invitation only

7:00 pm-10:00 pm
ACTS Education Evaluation Committee
Council Room
Invitation only

7:00 pm-10:00 pm
ACTS Board Meeting
Executive Room
Invitation only

7:00 pm-10:00 pm
International Association of Clinical Research Nurses
Senate Room

Friday, April 19

1:15 pm-2:30 pm
CTSA PI Luncheon
Congressional A/B
Invitation only

In Memoriam
Dr. Rodney Ulane

Dr. Rodney Ulane, who generously served as a senior liaison for the NIH at the Translational Science Meeting sessions titled “Meetings with Program Officers,” died unexpectedly earlier this year. Dr. Ulane received early scientific training at the NIH, and went on to serve as associate dean and director of the MD/PhD Programs at the New York University School of Medicine and at the University of Texas Southwestern Graduate and Medical School in Dallas. He returned to the NIH in 2009 to serve as the NIH training officer for the Division of Scientific Programs at the NIH Office of Extramural Research. His advice and guidance helped many trainees to become successful researchers and he will be greatly missed.
Poster Session 1

P1-P87 – Scholar/Trainee Abstracts

P261-P277 – Research Professionals Abstracts

Best Practices

P1 E. M. Alavacini Tufts Clinical and Translational Science Institute - Tufts Medical Center, Boston, MA; R. Ruthazer Institute for Clinical Research and Health Policy Studies - Tufts Medical Center, Boston, MA; J. T. Cohen Center for the Evaluation of Value and Risk in Health, Boston, MA; D. M. Kent Tufts Clinical andTranslational Science Institute - Tufts Medical Center, Boston, MA; AUTHOR’S CLINICAL SPECIALTY: A COMPETING INTEREST IN ECONOMIC ANALYSIS OF SURGICAL INTERVENTIONS; REALITY OR FICTION?

P2 V. Ede, E. Yancey, H. G. Stringer, R. Joshi-Willock, G. Strayhorn Morehouse School of Medicine, Atlanta, GA; CLINICIAN KNOWLEDGE, ATTITUDE, AND BEHAVIOR REGARDING BEST PRACTICES FOR PROVIDING HIV/AIDS CARE AND DISCLOSING POSITIVE HIV STATUS TO SEXUAL/ NEEDLE-SHARING PARTNERS IN GEORGIA

P3 M. Murillo University of Puerto Rico, Medical Sciences Campus, San Juan; O. Fernandez University of Costa Rica, San Jose, Costa Rica; A. R. Elia University of Puerto Rico, Medical Sciences Campus, San Juan; EVALUATION OF TWO MEASUREMENTS FOR CROWN MARGIN PLACEMENT ON GINGIVAL HEALTH AND AESTHETICS

P4 D. K. Hooper, P. Margolis Cincinnati Children’s Hospital Medical Center, Cincinnati, OH; IMPROVING BLOOD PRESSURE CONTROL IN PEDIATRIC KIDNEY TRANSPLANT RECIPIENTS

P5 D. Grodberg Seaver Autism Center, Mount Sinai School of Medicine, New York, NY; THE AUTISM MENTAL STATUS EXAM: VALIDATION IN A COMMUNITY-BASED POPULATION

P6 M. Mollik Peoples Integrated Alliance, Dhaka, Bangladesh; TIBETAN IMMIGRANTS IN NEW YORK: A FOCUS UPON CLINICAL PRACTICES AND PERCEPTIONS AS THEY Pertain TO CONCURRENT PATIENT-CARE WITH CONVENTIONAL MEDICAL PRACTICE

Clinical Epidemiology

P7 N. Santoro Yale University, New Haven, CT; E. J. Parks University of Texas Southwestern, Dallas, TX; B. Piepont, S. Caprio Yale University, New Haven, CT; HEPATIC DE NOVO LIPOGENESIS IN YOUTH

P8 S. Bonacifio UCSC, San Francisco, CA; C. Uria-Arellano University College London, London, United Kingdom; H. C. Glass UCSC, San Francisco, CA; A. Huertas-Ceballos, E. E. Rogers, R. Gunny University College London, London, United Kingdom; A. J. Barkovich, D. M. Ferriero UCSC, San Francisco, CA; N. Robertson University College London, London, United Kingdom; L. deVries, F. Groenendaal University Hospital, Utrecht, Netherlands; AMPLITUDE INTEGRATED EEG (AEEG) ABNORMALITIES AT 24 HOURS AND MRI PREDICT OUTCOME IN HYPOXIC-ISCHEMIC ENCEPHALOPATHY (HIE) WITH THERAPEUTIC HYPOTHERMIA

P9 M. Kim, R. R. Warner, S. Rosayie, N. Hapaz, S. Ward, S. Itzkowitz, J. Wisnivesky Mount Sinai School of Medicine, New York, NY; ASSESSING VALIDITY OF STAGING CLASSIFICATION FOR SMALL INTESTINAL NEUROENDOCRINE TUMORS

P10 C. L. Daluwatte, J. H. Miles, J. Sun, G. Yao University of Missouri, Columbia, Missouri; ASSOCIATION BETWEEN PULPILLARY LIGHT REFLEX AND SENSORY BEHAVIOR IN CHILDREN WITH AUTISM SPECTRUM DISORDER

P11 E. Jerschow Albert Einstein College of Medicine, Bronx, NY; P. Parikh Montefiore Medical Center, Bronx, NY; A. P. McGrain, G. de Vos, S. Janwala, G. Hudes, D. Rosenstreich Albert Einstein College of Medicine, Bronx, NY; ASSOCIATION BETWEEN URINE CHLOROPHENOL LEVELS, WHEEZING-RELATED PROBLEMS, AND SERUM IGE

P12 W. Chen, M. K. Abramowitz Albert Einstein College of Medicine, Bronx, NY; ASSOCIATION OF METABOLIC ACIDOSIS WITH BONE MINERAL DENSITY IN UNITED STATES ADULTS

P13 T. Marom, L. C. Ede, J. A. Patel, M. J. Loeffelholz, X. Xiong, T. Chonmaitree University of Texas Medical Center, Galveston, TX; ASYMPTOMATIC RESPIRATORY SYNCYTIAL VIRUS INFECTION IN THE FIRST 6 MONTHS OF LIFE

P14 M. H. Andreae Albert Einstein College of Medicine, New York, NY; H. Sacks Mount Sinai School of Medicine, New York, NY; G. Carter Foundation for Integrative AIDS Research, New York, NY; D. Indky, K. Susslov Mount Sinai School of Medicine, New York, NY; C. Delmaggio Columbia University, New York, NY; C. Hall Albert Einstein College of Medicine, New York, NY; M. Johnson Columbia University, New York, NY; BAYESIAN META REGRESSION OF CANNABIS FOR CHRONIC NEUROPATHY

P15 C. J. Hammond, C. E. Pilver, L. C. Mayes, M. N. Potenza Yale University, New Haven, CT; CANNABIS USE, SUBSYNDROMAL AND PATHOLOGICAL GAMBLING, AND OTHER PSYCHIATRIC DISORDERS

P16 K. R. Daniels, G. C. Lee, C. R. Frei University of Texas at Austin, San Antonio, TX; CATHETER-ASSOCIATED URINARY TRACT INFECTIONS IN UNITED STATES HOSPITALS: 2001 TO 2010

P17 S. E. Choi Nursing Science, University of California, Irvine, CA; P. Reed Psychology and Social Behavior, University of California, Irvine, CA; CONTRIBUTORS TO DEPRESSIVE SYMPTOMS AMONG OLDER KOREAN IMMIGRANTS WITH TYPE 2 DIABETES

P18 C. Haines Johns Hopkins School of Medicine, Baltimore MD, MD; J. Fleshman Agency for Healthcare Research and Quality, Rockville, MD; A. Agwu, K. Gebo Johns Hopkins School of Medicine, Baltimore MD, MD; DECREASING TIME TO ART INITIATION AND ViroLOGIC SUPPRESSION IN A LARGE CLINICAL COHORT

P19 L. J. Rasmussen-Torvik, J. A. Parcheco, S. A. Aufox, K. A. Kim, E. Hungness, M. E. Smith Northwestern University Feinberg School of Medicine, Chicago, IL; DEMOGRAPHIC PREDICTORS OF LONG-TERM WEIGHT LOSS AFTER BARIATRIC SURGERY

P20 J. Díaz Núñez University of Puerto Rico, San Juan; G. Silva Universidad Central del Este, San Pedro de Macorís, Dominican Republic; A. Elia University of Puerto Rico, San Juan; L. Borrell Lehman College, City University of New York, Bronx, NY; DENTAL CARES PREVALENCE OF 12-YEAR-OLD CHILDREN IN SAN PEDRO DE MACORÍS, DOMINICAN REPUBLIC

P21 M. Monaghan, M. McCormick King, E. R. Cogen, R. Streissand Children’s National Medical Center, Washington, DC; DEPRESSIVE SYMPTOMS AND SELF-CARE BEHAVIORS IN EMERGING ADULTS WITH TYPE 1 DIABETES

P22 M. Bush, K. Bianchi University of Kentucky, Lexington, KY; C. Lester Cabinet for Health and Family Services, Louisville, KY; T. J. Gal, J. Shin University of Kentucky, Lexington, KY; EARLY TRENDS IN CYSTATIN C AND OUTCOMES IN PATIENTS WITH CHRONIC HEART FAILURE

P23 J. Belcher Yale University School of Medicine, for the TRIBE-AKI Consortium, New Haven, CT; EARLY TRENDS IN Cystatin C AND OUTCOMES IN PATIENTS WITH CIRRHOSIS AND ACUTE KIDNEY Injury

P24 I. Kelesidou, C. Varughese, P. Hourani, Z. Ronald Albert Einstein College of Medicine, Bronx, NY; EFFECTS OF BETA BLOCKERS ON LEFT VENTRICULAR REMODELING AMONG HISPANIC AND AFRICAN AMERICANS WITH CHRONIC HEART FAILURE

P25 M. C. Aldrich Vanderbilt University Medical Center, Nashville, TN; H. M. Munro, M. Mumma International Epidemiology Institute, Rockville, MD; B. Blot Vanderbilt University Medical Center, Nashville, TN; EPIDEMIOLOGY OF COPD AMONG LOW-INCOME BLACK AND WHITE U.S. ADULTS

P26 R. Singh, P. Kluding University of Kansas Medical Center, Kansas City, KS; FATIGUE AND ITS RELATED FACTORS IN PEOPLE WITH TYPE 2 DIABETES
Scholar and Research Poster Sessions

P27 Y. M. Golightly University of North Carolina, Chapel Hill, NC; M. T. Hannan Hebrew SeniorLife, Boston, MA; H. J. Hillstrom Hospital for Special Surgery, New York, NY; J. M. Jordan University of North Carolina, Chapel Hill, NC; FOOT DISORDERS ASSOCIATED WITH FOOT-RELATED SYMPTOMS AND FUNCTION

P28 A. A. Feduccia, P. P. Suchankova NIH/NIAAA/NIDA, Bethesda, MD; M. L. Schwandt NIH/NIAAA, Bethesda, MD; M. R. Lee, E. Oot, J. W. Bollinger; A. A. Lexi NIH/NIAAA/ NIDA, Bethesda, MD; D. Goldman, C. Hodgkinson, D. T. George, D. W. Hornmer NIH/NIAAA, Bethesda, MD; M. Heilig NIH/NIAAA/NIDA, Bethesda, MD; V. A. Ramchandar NIH/NIAAA, Bethesda, MD; L. Leggio NIH/NIAAA/NIDA, Bethesda, MD; GENETIC VARIATIONS IN THE PREPROGRELIN GENE (GHRL) ARE ASSOCIATED WITH ALCOHOL DRINKING BEHAVIORS


P30 A. Goudie University of Arkansas for Medical Sciences, Little Rock, AR; HOSPITAL CHARACTERISTICS ASSOCIATED WITH PEDIATRIC CLOSTRIDIUM DIFFICILE INFECTION

P31 C. M. Perez-Ruiz University of Puerto Rico - Medical Sciences Campus, San Juan; M. Martinez-Ferrer University of Puerto Rico - Comprehensive Cancer Center, San Juan; A. Pura-Baez University of Puerto Rico - School of Medicine, Urology Section, San Juan; HPV GENOTYPES AND RISK FACTORS ASSOCIATED WITH PENILE CANCER IN PUERTO RICO

P32 S. S. Chang, L. Leo-Summers Yale School of Medicine, Dept of Internal Medicine/ Geriatrics, New Haven, CT; H. B. Lee Yale School of Medicine, Dept of Psychiatry, New Haven, CT; C. A. Vaz Fragos University of School of Medicine, Dept of Internal Medicine/Geriatrics, New Haven, CT; IMPACT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE SEVERITY ON INCIDENT COGNITIVE IMPAIRMENT IN OLDER ADULTS

P33 T. G. Epstein, B. Kesavulu University of Cincinnati, Cincinnati, OH; P. Ryan Cincinnati Children's Hospital, Cincinnati, OH; J. Bernstein, M. Villareal, D. Bernstein University of Cincinnati, Cincinnati, OH; INDUCED SPUTUM BIOMARKERS, TRAFFIC POLLUTION, AND ASTHMA CONTROL IN OLDER ADULTS

P34 F. Perez, R. A. Bonomo Louis Stokes Cleveland VA Medical Center, Cleveland, OH; INSIGHTS INTO THE EVOLVING IMPACT OF MULTIDRUG RESISTANT ORGANISMS (MDROs) THROUGH THE INTEGRATION OF MOLECULAR AND EPIDEMIOLOGICAL APPROACHES

P35 O. J. Abreu Fuerte, A. R. Elias Boneta, R. Hernandez, M. S. Poussa, R. F. Gonzalez, R. J. Rodriguez, E. J. Garcia Rivera University of Puerto Rico - Medical Sciences Campus, San Juan; D. N. Tataki Ohio State University - School of Dentistry, Columbus, OH; C. Palacios University of Puerto Rico - Medical Sciences Campus, San Juan; LOW LEVELS OF SERUM VITAMIN D AND PERIODONTAL DISEASE IN RESIDENTS WITH RESIDUAL VEIN OBSTRUCTION: A META ANALYSES, IS COMMON IN MEDICAL AND SURGICAL INTENSIVE CARE UNITS

P36 E. Fernandez-y Garcia, D. Paterniti, R. Kravitz University of California Davis, Sacramento, CA; MATERNAL DEPRESSION CARE-SEEKING INITIATED IN SELECTED GROUP OF PUERTO RICAN ELDERLY

P37 P. R. White, T. R. Radomschi, S. Mulukutla, A. Aiyer University of Pittsburgh, Pittsburgh, PA; K. E. Kip University of South Florida, Tampa, FL; S. E. Reis, P. J. Strollo University of Pittsburgh, Pittsburgh, PA; OBJECTIVELY MEASURED SNOILING IS ASSOCIATED WITH CAROTID ARTERY VASA VASORUM DENSITY

P38 R. White, S. Nair, N. Shaparin Albert Einstein College of Medicine, Bronx, NY; OBSTRUCTIVE SLEEP APNEA AS A RISK FACTOR FOR UNPLANNED ER VISITS POST-BARIATRIC SURGERY

P39 Y. S. Ju Washington University School of Medicine, St Louis, MO; O. Lopez University of Pittsburgh, Pittsburgh, PA; S. Redline Harvard Medical School, Boston, MA; P. Stein Washington University School of Medicine, St Louis, MO; OBSTRUCTIVE SLEEP APNEA INCREASES RISK OF INCIDENT DEMENTIA IN COMMUNITY-DWELLING OLDER ADULTS

P40 M. B. Brodsky Department of Physical Medicine and Rehabilitation, Johns Hopkins University, Baltimore, MD; E. Geller, E. A. Colantuoni Department of Biostatistics, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD; V. D. Douglas Outcomes After Critical Illness and Surgery (OACIS) Group, Division of Pulmonary and Critical Care Medicine Johns Hopkins University, Baltimore, MD; J. B. Palmer, D. M. Needham Department of Physical Medicine and Rehabilitation, Johns Hopkins University, Baltimore, MD; PATIENT-REPORTED DYSPHAGIA SYMPTOM SEVERITY AFTER OROTRACHEAL INTUBATION

P41 K. Shah University of Rochester School of Medicine, Rochester, NY; T. Hilton Department of Physical Therapy, Ithaca College, Rochester, NY; Y. Hongmei, J. Guido, A. E. Luque, W. J. Hall, S. Dewhurst, M. Mapstone University of Rochester School of Medicine, Rochester, NY; POOR AEROBIC FITNESS MAY CONTRIBUTE TO COGNITIVE DECLINE IN HIV-INFECTED OLDER ADULTS

P42 S. L. Saraf, X. Zhang, J. Lash, R. Machado University of Illinois, Chicago, IL; M. Gladwin University of Pittsburgh, Pittsburgh, PA; J. Little Case Western Reserve University, Cleveland, OH; C. Gordeuk University of Illinois, Chicago, IL; PREDICTORS OF RENAL DAMAGE IN SICKLE CELL ANEMIA

P43 B. Feingold, S. Y. Park, D. M. Corner University of Pittsburgh, Pittsburgh, PA; S. A. Webber Vanderbilt University, Nashville, TN; C. L. Bryce University of Pittsburgh, Pittsburgh, PA; PREVALENCE AND OUTCOME OF MULTIPLE LISTING FOR PEDIATRIC HEART TRANSPLANTATION

P44 H. M. Prendergast University of Illinois, Chicago, IL; S. Dudley university of Illinois-cardiology, Chicago, IL; J. Kane, D. Richardson Rush Medical Center, Chicago, IL; PROGRESSION OF LEFT VENTRICULAR DIASTOLIC DYSFUNCTION IN AN URBAN POPULATION

P45 J. B. Yu, L. D. Cramer, P. R. Soulos, C. P. Gross Yale School of Medicine and Yale Center for Clinical Investigation, New Haven, CT; RECENT TRENDS IN PATTERNS OF CARE FOR STAGE 1 NON-SMALL CELL LUNG CANCER

P46 M. Janakiram, M. R. Sullivan, M. Shecherba, S. Guo, H. H. Billet Montefiore Medical Center, Bronx, NY; RESIDUAL VEIN OBSTRUCTION: A META ANALYSIS, IS THE CAUSE OF THROMBOSIS RELEVANT IN ITS UTILITY

P47 U. E. Makris UT Southwestern Medical Center, Dallas, TX; L. Fransen, L. Han, L. Leo-Summers, T. M. Gill Yale University, New Haven, CT; RESTRICTING BACK PAIN IS ASSOCIATED WITH MOBILITY DISABILITY IN OLDER PERSONS

P48 D. K. Nishijima UC Davis School of Medicine, Sacramento, CA; RISK OF TRAUMATIC INTRACRANIAL HEMORRHAGE IN PATIENTS WITH HEAD INJURY AND PREINJURY WARFARIN OR CLOPIDOGLREL USE

P49 F. Shic, S. Macari, K. Chawarska Yale University School of Medicine, New Haven, CT; SPEECH DISTURBANCES SCANNING PATTERNS IN INFANTS WHO DEVELOP AUTISM SPECTRUM DISORDERS

P50 A. Daoud, A. Tenforde, M. Fredericson, K. Sainnair Stanford, Palo Alto, CA; SUN PROTECTIVE BEHAVIORS & BELIEFS AMONG RUNNERS

P51 M. S. Troche, K. W. Hegland University of Florida, Gainesville, FL; M. S. Okun University of Florida, Department of Neurology, Gainesville, FL; P. W. Davenport University of Florida, Department of Physiological Sciences, Gainesville, FL; SWALLOWING DYSFUNCTION AND BREATHING EFFORT IN PARKINSON'S DISEASE

P52 C. Ciaccio, K. Kennedy, C. Barnes, J. Portnow, L. Rosenwasser Children's Mercy Hospital, Kansas City, MO; THE HOME MICROBIOME AND CHILDHOOD ASTHMA

P53 V. Nussenblatt, E. Avdic, S. Berenholtz, T. Carlson, E. Daugherty, E. Hadhazy, P. Lipsett, L. Maragakis, T. Perl, K. Speck, S. Sandra Swoboda, W. Ziai, S. Gogobre Johns Hopkins School of Medicine, Baltimore, MD; THE INAPPROPRIATE DIAGNOSIS AND TREATMENT OF VENTILATOR-ASSOCIATED PNEUMONIA (VAP) IS COMMON IN MEDICAL AND SURGICAL INTENSIVE CARE UNITS

(continued on next page)
Scholar and Research Poster Sessions

P56  E. S. Faustino Yale School of Medicine, New Haven, CT; THROMBOPOPHILAXIS IN CRITICALLY ILL CHILDREN

P57  N. M. Edwards, P. R. Khoury, H. J. Kalkwarf, J. G. Woo Cincinnati Children’s Hospital Medical Center, Cincinnati, OH; S. R. Daniels Children’s Colorado, Denver, CO; TRACKING OF BODY MASS INDEX AND PHYSICAL ACTIVITY IN CHILDHOOD: FOLLOW-UP STUDY

P58  L. J. Ricks-Santi Howard University College of Medicine, Washington, DC; A. Ewing Johns Hopkins Bloomberg School of Public Health, Baltimore, MD; F. Richardson, P. Carter-Nolan, N. Thompson, B. Harrison, C. Spencer, C. Williams Howard University College of Medicine, Washington, DC; TUMOR CHARACTERISTICS IN BREAST CANCER PATIENTS WITH A FAMILY HISTORY

P59  J. S. Lee UCSC, San Francisco, CA; UNDERSTANDING RHEUMATOID-ARTHRITIS ASSOCIATED INTERSTITIAL LUNG DISEASE

P60  L. H. Immerrguck, T. B. Chan, K. Mahothra, S. Zhang Morehouse School of Medicine, Atlanta, GA; R. C. Jerris Children’s Healthcare of Atlanta, Atlanta, GA; USING GEOGRAPHIC INFORMATION SYSTEMS (GIS) TO IDENTIFY EPIDEMIOLOGY RISKS IN COMMUNITY ASSOCIATED METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) INFECTIONS

P61  E. Hsieh Yale School of Medicine - Rheumatology, New Haven, CT; P. Zhang, C. Zhou, R. Zhang, X. Niu Cancer Institute and Hospital, Chinese Academy of Medical Sciences, Beijing, China; J. Smith UNC Gillings School of Public Health, Chapel Hill, NC; E. Bradley Yale School of Public Health, New Haven, CT; L. Fraenkel Yale School of Medicine - Rheumatology, New Haven, CT; K. Insogna Yale School of Medicine - Endocrinology, New Haven, CT; Y. Qiao Cancer Institute and Hospital, Chinese Academy of Medical Sciences, Beijing, China; VERTEBRAL FRACTURE AMONG BREAST CANCER SURVIVORS IN CHINA

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P62  S. Cusick University of Minnesota, Minneapolis, MN; E. Mupere Makerere University, Kampala, Uganda; M. Georgieff, J. Hodges University of Minnesota, Minneapolis, MN; S. Abrams Baylor College of Medicine, Houston, TX; C. John University of Minnesota, Minneapolis, MN; ACUTE VS. DELAYED IRON: EFFECT ON RED CELL IRON INCORPORATION IN MALARIA

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