Welcome to Translational Science 2014!

We are pleased to welcome you to Washington D.C. for Translational Science 2014, the premier event in the field of translational science. Sponsored by the Association for Clinical and Translational Science (ACTS) and the American Federation for Medical Research (AFMR), this meeting connects all disciplines involved in clinical and translational research together.

Our sincere thanks to the Program Committee. We hope that this meeting proves to be a state-of-the-art learning experience for all participants. Highlights include bench-to-bedside program content, unique lectures featuring innovative frontrunners in the field, exclusive networking opportunities, and the latest topics in translational science. We have designed the program so you can walk away with the knowledge you need to take your research to the next level.

The 2014 program includes a robust combination of plenary sessions featuring cross-disciplinary scientific research, educational sessions for junior and senior investigators, mock study sections, poster sessions, networking receptions, ancillary meetings, and an exclusive opportunity for advocacy on Capitol Hill. Our opportunities for interacting with peers and distinctive leaders offer you the chance to exchange best practices, and further our conference theme, **Advancing the Translational Science Team Through Collaboration.**

Thank you for attending, and thank you to our presenters for their dedication and participation over the next three days.

Sincerely,

Anantha Shekhar, MD, PhD
ACTS President

Robert J. Freishtat, MD, MPH
AFMR President

2014 Joint Annual Meeting Program Committee

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University of Kentucky

Abraham Thomas, MD, MPH
Henry Ford Hospital

**Participating Organizations**

Biostatistics, Epidemiology, Research Design (BERD)
Clinical Research Forum (CR Forum)
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2025 M St NW, Suite 800
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Phone: (202) 367-1119

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Windthrop University Hospital

Headquarters Address
American Federation for Medical Research
500 Cummings Center, Suite 4550
Beverly, MA 01915
Phone: (978) 927-8330
General Information

Registration Desk
Registration will be held at the West Registration Desk on the lobby level of the hotel. Registration will be open during the following times:

Wednesday, April 9..............2:00 pm – 5:00 pm
Thursday, April 10.............6:30 am – 7:00 pm
Friday, April 11.............6:30 am – 12:00 pm

Speaker Ready Room
The Speaker Ready Room will be located in the Committee Room on the lobby level of the hotel and will be open during the following times:

Wednesday, April 9.............2:00 pm – 6:00 pm
Thursday, April 10.............7:00 am – 6:00 pm
Friday, April 11.............7:30 am – 12:00 pm

Poster Viewing Sessions
Posters will be located in the Exhibit Hall and can be viewed during the following times:

Thursday, April 10.............9:30 am – 11:00 am
6:00 pm – 7:30 pm
Friday, April 11.............9:00 am – 10:30 am

Wireless Internet
Wireless internet will not be provided for attendees. For information about purchasing wireless internet for your personal use, please contact the hotel front desk.

Lost and Found
Please go to the registration desk to inquire about any items lost during the meeting. Once the meeting is over, any unclaimed items will be turned over to hotel security.

Smoking Policy
Smoking is not permitted inside the Omni Shoreham. If you are looking for an area to smoke, please exit the hotel and look for designated smoking areas.

Coat Racks
For your convenience, coat racks will be available outside of session rooms. Please note that ACTS, AFMR, and the Omni Shoreham are not responsible for lost or stolen items.

First Aid
The hotel's security office will respond to any medical needs that may arise and is fully equipped with first aid supplies. Additionally, the front desk and concierge desk have basic first aid kits available for minor medical needs.

Photo/Video Policy
Authorized ACTS/AFMR photographers and videographers take pictures and video of attendees at all of our events and will use those pictures for association marketing purposes and as content on our various social media platforms. By attending an ACTS/AFMR event, all attendees authorize ACTS/AFMR to use their likeness in pictures for those uses. However, ACTS/AFMR agree to cease using any picture that contains the likeness of any individual, if such individual sends a written request to ACTS/AFMR to stop using such picture.

Children
No one under the age of 18 will be permitted in the poster hall or session rooms.
ACTS Distinguished Investigator Award for Career Achievement and Contribution to Clinical and Translational Science for Translation from Clinical Use into Public Benefit and Policy

Presented Thursday, April 10 at 4:30 pm

Eugene P. Orringer, MD, University of North Carolina at Chapel Hill

Eugene Orringer is widely recognized for his passion, dedication, and commitment to training the next generation of clinical researchers. At the University of North Carolina, he has created the Office of Clinical Trials (OCT) to encourage collaboration between industry and academic investigators and to teach junior investigators to navigate regulatory issues. In his role as executive associate dean for faculty affairs and faculty development, he was integral in the creation of the Office of Research and Faculty Development (ORFD). In addition to his impact at UNC, he has held a number of national leadership roles, including roles within NIH and many CTSA institutions.

ACTS Distinguished Educator Award

Presented Thursday, April 10 at 8:00 am

Robert M. Califf, MD, Duke University Medical Center

Robert Califf has authored more than 1,200 publications, led scores of major national and international clinical studies, and developed the nation’s preeminent clinical research enterprise at Duke. He has also had a profound impact on the field by shaping national policies around the conduct of clinical and translational research and by driving the methodological and regulatory changes needed to revitalize the US clinical research enterprise.

AFMR Outstanding Investigator Award

Presented Thursday, April 10 at 8:00 am

Yutong Zhao, MD, PhD, University of Pittsburgh

Yutong Zhao is a well-recognized and independent expert in lung epithelial biology. He has been exceptionally productive, with more than 50 manuscripts in peer-reviewed journals, and has attracted an exceptional level of independent extramural support. His discoveries on the role of lysophosphatidic acid in the regulation of lung epithelial barrier integrity fundamentally represent a significant advancement not only within the phospholipid field, but also in the area of lung epithelial biology.

ACTS Team Science Award

Presented Thursday, April 10 at 4:30 pm

Community Partners in Care Council

This unique team is comprised of interdisciplinary scientists and community stakeholders working in a collaborative partnership, all contributing expertise, over 10 years to develop a partnered approach to science development and implementation, as well as an evidence basis for the added value of community engagement and partnership as an approach to implement evidence-based collaborative care for depression. The 10-year development of this approach spans Witness for Wellness, the Partnered Research Center and Community Partners in Care, integrated for the work nominated through the Community Partners in Care Council.

Barry Coller ACTS Excellence in Service Award

Presented Thursday, April 10 at 8:00 am

Harry P. Selker, MD, MSPH, Tufts University Clinical and Translational Science Institute

Harry Selker has provided extraordinary service to ACTS through his leadership of its joint advocacy activities with Clinical Research Forum, and as the Vice President for Healthcare Implementation, Delivery and Policy Research for the inaugural ACTS Board of Directors. He has been a champion of supporting trainees in the translational sciences and engaging them in advocacy to support the mission of ACTS. He has also served in leadership roles for SCTS and ACRT, two of the three societies that eventually formed ACTS.
Target Audience
Meeting participants include individuals engaged in clinical and translational science at every stage of their careers. This includes: Research scientists, scientific administrators, new investigators, educators, and scholars and trainees involved in academia, industry, philanthropy and government.

Statement of Need
Effective translational research is multidisciplinary by definition. To attract, train and retain young physicians to participate in translational research, they must learn how to create and participate in multidisciplinary teams. Translational Science 2014 is focused on increasing the value of your research through team science to foster the development of the next generation of physician-scientists and translational researchers. In addition, the meeting focuses on engagement opportunities with leaders and peers and messages from plenary speakers. Educational sessions are designed to provide information on the latest translational science information. There is also time to collaborate and share information through poster presentations, mock study sections, advocacy training, and published research. Trainees and young investigators are also able to gain visibility at the meeting as well as meet one on one with NIH Program Directors.

Credit Designation
The Duke Office of Continuing Medical Education (CME) designates this live Jointly-Sponsored Activity for up to 11.5 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Instructions on Receiving 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
At the conclusion of this meeting, an email will be sent to you with the link to complete the meeting evaluation. Your feedback is important to us, and ensures that we are meeting the needs of our attendees at future meetings.

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.

Translational Science 2014 Meeting Goals
- To inspire the participants by identifying the great successes of clinical and translational research and describing how they have improved the lives of so many people
- To provide participants with the newest and most valuable information in clinical and translational science
- To provide trainees and all meeting participants an opportunity to present their research to a supportive group of their peers, educators, and senior investigators
- To communicate novel methods, best practices, and resources for clinical translation
- To provide exciting and dynamic career development programs for trainees and their mentors
- To provide educators a venue to present best practices in clinical and translational research career development

Accreditation Statement
This activity had been planned and implemented in accordance with the standards and policies of the Accreditation Council for Continuing Medical Education and Accreditation Council for Pharmacy Education through the joint sponsorship of the Duke University School of Medicine, Association for Clinical and Translational Science, and the American Federation for Medical Research. The Duke University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.
Christopher Austin, MD  
**Thursday, April 10 at 8:00 am**

Christopher Austin, MD, is the director of the National Center for Advancing Translational Sciences (NCATS). Austin is leading NCATS in its mission to catalyze the generation of innovative methods and technologies that will enhance the development, testing, and implementation of diagnostics and therapeutics across a wide range of human diseases and conditions. Currently, many costly, time-consuming bottlenecks exist in the translational process. Austin is applying his experience across the spectrum of the research pipeline to develop, demonstrate, and disseminate innovative technologies and paradigms that increase the efficiency of translation, and thus speed the discovery and delivery of interventions that improve human health.

Bruce Gellin, MD, MPH  
**Thursday, April 10 at 4:30 pm**

Bruce Gellin, MD, MPH, is the deputy assistant secretary for Health and the director of the National Vaccine Program Office at the U.S. Department of Health and Human Services. Gellin is one of the nation’s top experts on vaccines and infectious diseases. He has broad experience in public health aspects of infectious diseases, and has held positions at the National Institute of Allergy and Infectious Diseases (NIAID), the Centers for Disease Control and Prevention (CDC), the Rockefeller Foundation, and Johns Hopkins University School of Public Health. In addition, he has been a regular consultant to the World Health Organization.

William W. Chin, MD  
**Friday, April 11 at 8:00 am**

William W. Chin, MD, is the executive vice president of science and regulatory affairs at the Pharmaceutical Researchers and Manufacturers of America (PhRMA). Chin also serves as the vice president of discovery biology research and clinical investigation at Eli Lilly & Co, a position he has held since 2003. Chin is a world-renowned molecular endocrinologist who has pioneered the understanding of the mechanisms of nuclear receptor action with a focus on thyroid, estrogen, and other hormones, as well as various aspects of hormonal regulation of pituitary hormone gene expression.

Lisa Guay-Woodford, MD  
**Sponsored by Wiley-Blackwell  
Friday, April 11 at 12:30 pm**

Lisa Guay-Woodford, MD, is the director of the Center for Translational Science within the Children’s Research Institute and the principal investigator of the Clinical and Translational Science Institute at Children’s National (CTSI-CN). In this role, she leads efforts to provide resources that translate scientific discovery to improved health for children, focusing on childhood precursors to adult diseases and health disparities. A distinguished pediatric nephrologist and internationally recognized geneticist, Guay-Woodford’s research interests focus on the clinical and genetic factors of kidney disease, particularly autosomal recessive polycystic kidney disease, a relatively rare form of polycystic kidney disease occurring primarily in infancy and childhood.

Victoria Seyfert-Margolis, PhD  
**Sponsored by Wiley-Blackwell  
Friday, April 11 at 12:30 pm**

Victoria Seyfert-Margolis, PhD, is the CEO and founder of MyOwnMed, a customizable digital platform and mobile health app that captures between-visit patient health data, while bringing patients, doctors, and caregivers together as partners in their care. Previously, she served as the senior advisor for science innovation and policy for the Food and Drug Administration (FDA) Commissioner’s Office and as director of the FDA’s Office of Regulatory Science and Innovation. Seyfert-Margolis was also an adjunct associate professor within the department of medicine at the University of California, San Francisco. Prior to academia, she served as director of the office of innovative scientific research technologies at the National Institute of Allergy and Infectious Diseases (NIAID) at NIH.
Program at a Glance

Wednesday, April 9

7:30 am – 12:30 pm
NIH Clinical Center Tour
Off-site; Meet in hotel lobby by 7:30 am.
Pre-Registration Required

8:15 am – 10:00 am
Advocacy Training
Congressional Ballroom
Pre-Registration Required

9:00 am – 7:30 pm
AFMR Eastern Regional Meeting
Diplomat Ballroom
Pre-Registration Required

11:00 am – 3:00 pm
Hill Day Advocacy Visits
Off-site; Meet in hotel lobby by 10:30 am.
Pre-Registration Required

12:45 pm – 3:00 pm
Mock Study Section
Ambassador, Directors, Council, Senate, Forum,
Cabinet
Pre-Registration Required

2:00 pm – 5:45 pm
CR Forum
Empire Ballroom

5:30 pm – 8:00 pm
Pre-Doctoral Trainee Networking Dinner
Hampton Ballroom
Pre-Registration Required

6:00 pm – 8:00 pm
CR Forum Dinner
Ambassador Ballroom

Advance your career. Make sure your interests are represented. Join ACTS! The Association for Clinical and Translational Science (ACTS) offers institutional and individual memberships. As an ACTS member, you'll join a community of 5,000 individuals from 50 institutions, while receiving many exciting benefits to help you increase your presence in the clinical and translational science community.

As a member, you will receive:
- Discounted registration for the Translational Science Meeting
- Email updates on relevant translational topics
- Access to the ACTS Connection, a monthly electronic newsletter with updates, grant announcements, and industry news

Looking to advance your career? As an ACTS member, you can:
- Write articles for ACTS Connection
- Volunteer to serve on committees with leading experts in the field
- Network with others who share your commitment to clinical and translational science
- Form Special Interest Groups (SIGs)

Learn more and join today at www.actscience.org.

The American Federation for Medical Research (AFMR) wants to help make you a leader! The AFMR, which is celebrating its 75th year in 2015, promotes clinical and basic research, supports young investigators in their careers and participates in advocacy efforts on Capitol Hill which supports funding for clinical research. Membership benefits include:
- The OPPORTUNITY to present your research at the podium or as a poster.
- Valuable NETWORKING time with other early career researchers and internationally recognized investigators.
- The chance to polish your PRESENTING style and learn from experienced mentors.
- A complimentary subscription to the Journal of Investigative Medicine, the AFMR's official journal. AFMR members may PUBLISH quality work with no publication charges.
- SYMPOSIA and EDUCATIONAL OPPORTUNITIES to help formulate your ideas into proposals for funding from the NIH and other organizations.

The AFMR believes in you and your future impact on clinical and biomedical research. Join today at www.AFMR.org.
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<tr>
<th>TIME</th>
<th>TRANSLATIONAL SCIENCE</th>
<th>PRE-DOCTORAL PROGRAM</th>
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<td>Development: A Platform for Collaboration – Diplomat</td>
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<td>NIH Institutes as Drivers of Disease-Specific Translational and Clinical Innovation – Congressional</td>
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<td>Bruce Gellin, MD, MPH, Deputy Assistant Secretary for Health and Director, National Vaccine Program Office, U.S. Department of Health and Human Services</td>
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<td>Poster Viewing – Exhibit Hall</td>
<td>Plenary Session</td>
<td>Transformation of T3 Translational Research by CER and the Advent of PCORI</td>
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<td>Concurrent Sessions</td>
<td>Regency Ballroom</td>
<td>See Translational Science Concurrent Session</td>
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<td>Designing the Science: A Biostatistician’s Perspective</td>
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<td>Writing an F Award Study Section Simulation</td>
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<td>Curriculum Vitae Management</td>
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<td>Securing a Postdoc Position</td>
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William W. Chin, MD, Executive Vice President, Science and Regulatory Affairs, Pharmaceutical Researchers and Manufacturers Association (PhRMA)

Lisa Guay-Woodford, MD, Director, Center for Translational Science, Children’s Research Institute, and Principal Investigator, Clinical and Translational Science Institute, Children’s National

Victoria Seyfert-Margolis, PhD, CEO and Founder, MyOwnMed.
Schedule of Events

WEDNESDAY, APRIL 9

7:30 am – 12:30 pm
NIH Clinical Center Tour
(pre-registration required)
Off-site; Meet in hotel lobby by 7:30 am.

8:15 am – 10:00 am
Advocacy Training
(pre-registration required)
Congressional Ballroom
This session will provide valuable information and training on effective communication with your legislators. Support research funding through participation!

9:00 am – 7:30 pm
AFMR Eastern Regional Meeting
(pre-registration required)
Diplomat Ballroom

11:00 am – 3:00 pm
Hill Day Advocacy Visits
(pre-registration required)
Off-site; Meet in hotel lobby by 10:30 am.
Following Advocacy Training, participants will head 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!

12:45 pm – 3:00 pm
Mock Study Sections
(pre-registration required)
Ambassador, Directors, Council, Senate, Forum, Cabinet
Scholars will review actual K23, R21 and R01 grants with faculty moderators to learn how grants are evaluated and discussed through the NIH peer review process.

2:00 pm – 5:45 pm
CR Forum
Empire Ballroom

5:30 pm – 8:00 pm
Pre-Doctoral Trainee Networking Dinner
(pre-registration required)
Hampton Ballroom

6:00 pm – 8:00 pm
CR Forum Dinner
Ambassador Ballroom

THURSDAY, APRIL 10

7:00 am – 6:00 pm
CR Forum
Empire Ballroom

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

8:00 am – 9:30 am
Opening Keynote and Awards Presentation: Catalyzing Translational Innovation
Regency Ballroom
The process by which observations in the laboratory or the clinic are transformed into demonstrably useful interventions that tangibly improve human health is frequently termed “translation.” To meet the opportunities and needs in translational science, NCATS was created as NIH’s newest component in December 2011, via a concatenation of extant NIH programs previously resident in other components of NIH. NCATS is scientifically and organizationally different from other NIH Institutes and Centers. This talk will provide an overview of NCATS mission, programs, and deliverables, with a view toward future developments.

Christopher Austin, MD, Director, National Center for Advancing Translational Sciences (NCATS), National Institutes of Health (NIH)

9:30 am – 10:00 am
Break
Exhibit Hall

9:30 am – 11:00 am
Poster Viewing
Exhibit Hall

9:30 am – 11:00 am
Education Administrators Networking Meeting
Governor’s Boardroom
The Education Administrators Networking Meeting provides an opportunity for non-faculty research administration and education professionals attending Translational Science 2014 to meet, share best practices, and mentor one another.

9:45 am – 11:00 am
Research Methods Workshop: Reproducible Research with Evidence-Based Data Analysis
Cabinet
Statistical software is plentiful today, with new procedures and algorithms constantly being developed, implemented, and optimized. Traditional statistical software tends to focus on solving a relatively self-contained task, often something that is a single piece of a much larger data analysis. This session will provide an overview of how data analysis pipelines built using pre-determined combinations of procedures can be used to encourage reproducible research in biomedical science.

Speaker:
Roger Peng, Associate Professor, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health
**10:00 am – 11:00 am**

*CONCURRENT SESSIONS*

**Informatics: Using Health Data in Clinical and Translational Research**

Diplomat

From an overview of informatics in research to the conduct of large pragmatic trials facilitated by the use of electronic health records, this session will provide a state-of-the-art demonstration of current capabilities of utilizing large databases to advance translational science. Audience members will come away with an appreciation of current capabilities in informatics as well as requirements to further advance this field.

Chair:
Subha Madhavean, PhD, Director, Innovation Center for Biomedical Informatics, Georgetown University Medical Center, Director, Clinical Informatics, Lombardi Comprehensive Cancer Center, Director, Biomedical Informatics, Georgetown-Howard Universities CTSA, Associate Professor, Department of Oncology, Georgetown University

Speakers:
Michael J. Becich, MD, PhD, Chairman, Department of Biomedical Informatics, University of Pittsburgh School of Medicine, Associate Director for Cancer Informatics, University of Pittsburgh Cancer Institute, Associate Director, Clinical and Translational Science Institute, University of Pittsburgh

Dan Ford, MD, Vice Dean for Clinical Investigation, Professor of Medicine and Psychiatry, Director of the Institute for Clinical and Translational Research, Johns Hopkins University School of Medicine

Robert M. Calif, MD, Director, Duke Translational Medicine Institute, Vice Chancellor for Clinical and Translational Research, Duke University Medical Center

Investigator-Initiated Investigational New Drug Applications: The Essentials for Successful Interactions with FDA

Ambassador

This session will focus on essential nonclinical IND-enabling elements (chemistry, manufacturing, and controls, pharmacology/toxicology) required for safety assessment of proposed investigational drug studies in humans. This session will also include a demonstration of the “IND tool chest”, a newly developed web navigational tool created through collaboration between FDA/CDER and the NIH Clinical Center, to assist academic investigators with the preparation of IND applications.

Chairs:
“Technical Center – FDA/CDER Collaboration on Investigator-Initiated IND Applications”
Juan J. L. Lertora, MD, PhD, Director, Clinical Pharmacology Program, NIH Clinical Center, National Institutes of Health (NIH)

“The FDA/CDER Regulatory Mechanisms for Communications with IND Sponsor-Investigators”
Anne Pariser, MD, Associate Director for Rare Diseases, Office of New Drugs, Center for Drug Evaluation and Research (FDA)

Speakers:
“Essential Nonclinical IND-Enabling Components of an IND Application”
Todd Bourcier, PhD, Supervisory Pharmacologist, Division of Metabolic and Endocrine Products, Center for Drug Evaluation and Research, Food and Drug Administration (FDA)

“The IND Tool Chest: Demonstration of a Web Navigational Tool to Facilitate Preparation of Investigator-Initiated IND Applications”
Larissa Lapteva, MD, MHS, Medical Officer, Office of New Drugs, Center for Drug Evaluation and Research, Food and Drug Administration (FDA)

Serendipity in Science Part I

Palladian

Some of medicine’s most illustrious discoveries have been guided by the researcher’s willingness to embrace and interpret serendipitous findings. In this session, pioneers from several fields present and discuss a multi-disciplinary approach to study interaction and signaling across different disease phenotypes. Experts will highlight some notable recent inventions and discoveries in pulmonary, cardiovascular, hematologic, endocrine, and neurologic diseases - showcasing how “chance” may indeed “favor the prepared mind.”

Chairs:
Mary Lopez, MD, MPH, Director, BRIMS Center, Thermo Fisher Scientific
Robert Freishtat, MD, Director of Research, Division of Emergency Medicine, Children’s National Medical Center

Speakers:
“Dysynchronous Mitosis and Inflammation in the Asthmatic Epithelium”
Robert Freishtat, MD, MPH, Director of Research, Division of Emergency Medicine, Children’s National Medical Center

“Sex, Stroke, and Innovation”
Patricia Hurn, PhD, Vice Chancellor for Research and Innovation, Chief Health Research Officer, University of Texas System

**11:00 am – 12:00 pm**

BERD Business Meeting
(BERD Members Only)

Cabinet

**11:00 am – 12:30 pm**

Lunch on Your Own

**11:15 am – 12:15 pm**

Scholar and Oral Presentations

For full listing of oral presentations please see page 18

* These sessions are part of the CME Program
**THURSDAY, APRIL 10**  
*CONCURRENT SESSIONS*

**Scientific Misconduct: Pitfalls for the Junior Investigator**  
Diplomat  
This panel will highlight scientific misconduct and potential pitfalls for the junior investigator. This session is ideal for junior investigators and their mentors, but is equally interesting for compliance officers and members of regulatory or funding agencies.

**Chair:**  
“Near Misses—Personal Experience by a Junior Investigator”  
Michael Andreea, MD, Assistant Professor, Department of Anesthesiology, Albert Einstein College of Medicine

**Speakers:**  
“Predatory Open Access Publishing”  
Jeffrey Beall, MLS, Associate Professor, Scholarly Initiatives Librarian, University of Colorado Denver, Auraria Library  
“Scientific Misconduct—An Overview”  
Nada Gligorov, PhD, Assistant Professor of Medical Education, Associate Director of Bioethics Education, Icahn School of Medicine at Mount Sinai  
“Scientific Misconduct: Learning from the Past”  
Joseph Solomon Ross, MD, MHS, Assistant Professor in the Section of General Internal Medicine, Yale University School of Medicine

**K to R: Mentoring Success**

**Palladian**  
For recipients of career development awards, the transition to independent research status is a major challenge. In this session, you will learn about two highly successful programs with pearls of wisdom about writing your first R grant. Data from a systematic review will be presented that examines factors that favor successful transition to first R and identified barriers. This session is aimed at early investigators aiming to write an R grant and the program directors and mentors who support their development into independent investigators.

**Chairs:**  
Janice Gabrilove, MD, The James F. Holland Professor of Medicine and Oncological Sciences, Director; Hematology-Oncology Fellowship Program at The Tisch Cancer Institute, Director, Clinical Research Education Programs, Co-Director, KL2 Scholars & PORTAL (MD/MSCR) Programs, Icahn School of Medicine at Mount Sinai & Graduate School of Biomedical Sciences  
Ellie Schoenbaum, MD, Professor Epidemiology & Population Health, Director of Medical Student Research, Clinical Research Training Program and PhD in Clinical Investigation, Co-Program Director for Research, Education and Training of the Block Institute for Clinical and Translational Science, Einstein and Montefiore College of Medicine

**Speakers:**  
“Reach for the First R: Grant Writing Support for Young Investigators”  
Melissa Begg, ScD, Vice Dean, Education, Professor of Clinical Biostatistics, Co-Director, Irving Institute for Clinical and Translational Research, Columbia University Mailman School of Public Health  
“Moving from K to R”  
Doris Rubio, PhD, Professor of Medicine, Biostatistics, Nursing, and Clinical and Translational Science, Co-Director, Institute for Clinical Research Education, Director, Data Center for Center for Research on Health Care, Director, Office for Evaluation, Director, Office of Lifelong Learning, University of Pittsburgh  
“Promoting Transition from Mentored to Independent Investigator”  
Helen L. Yin, PhD, Peter and Jean D. Dehlinger Professorship in Biomedical Science, Co-Director, Education and Career Development, UT Southwestern CTSA Center for Translational Medicine, Professor of Physiology, Director, HHMI Med into Grad “Mechanism of Disease and Translational Science” Graduate Track, Assistant Dean of Office of Women’s Careers, University of Texas Southwestern Medical Center

**Clinical Translational Science**

**Award Consortium—Child Health Research: Journey from the Womb to Adulthood**  
Ambassador  
In this session, speakers will discuss randomized clinical trials in the newborn and the consenting process, rare diseases growing up, and a lifetime perspective on translational research.

**Chairs:**  
Frederick Kaskel, MD, PhD, Professor and Vice Chairman of Pediatrics, Director of Pediatric Nephrology, Albert Einstein College of Medicine; The Children’s Hospital at Montefiore  
Mary Purucker, MD, PhD, Coordinator for the CC-CHOC, National Center for Advancing Translational Sciences (NCATS), National Institutes of Health (NIH)

**Speakers:**  
“Antenatal Factors that Influence Childhood Outcome”  
Jonathan M. Davis, MD, Vice-Chair of Pediatrics for Academic Affairs, Chief of Newborn Medicine; Professor of Pediatrics, The Floating Hospital for Children at Tufts Medical Center  
“Translational Perspectives on Life Course Research”  
Elizabeth Goodman, MD, Associate Chief for Community-Based Research, Mass General Hospital for Children; Professor of Pediatrics, Harvard Medical School  
“Rare Disease Research Collaboration: Multi-study Design”  
Deepa Manwani, MD, Associate Professor of Clinical Pediatrics, Albert Einstein College of Medicine, Director, Sickle Cell Disease Program, Division of Hematology-Oncology, Children’s Hospital at Montefiore

* These sessions are part of the CME Program
CTSIs and RCMIs – Leveraging the Opportunities

Congressional

Both the Clinical and Translational Sciences Award Program (CTSA) and the Research Centers in Minority Institutions Program (RCMI) have many untapped opportunities with regards to collaborative research and training that will help address the crisis in health disparities and the lack of a diverse biomedical workforce. Speakers from two different institutions (one with a RCMI and one with both a RCMI and CTSA) will share current and potential opportunities for collaborations between these two programs.

Chair:
Jasjit Ahluwalia, MD, MPH, MS, Executive Director, Center for Health Equity; Associate Director, Clinical and Translational Sciences Institute (CTSI); Director, Research Education, Training and Career Development, University of Minnesota Medical School

Speakers:
“RCMI Program: Diversifying the Biomedical Workforce and Creating Collaborations to Reduce Health Disparities”
Emma Fernández-Repollet, PhD, Principal Investigator, RCMI Program; Professor of Pharmacology, University of Puerto Rico

“Translational Research: A Collaborative Model for Discovery, Training and Community Engagement”
Elizabeth Ofili, MD, MPh, FACC, Chief, Section of Cardiology; Associate Dean, Clinical Research, Director, Clinical Research Center, Morehouse School of Medicine

1:30 pm – 4:30 pm
Research Methods Workshop
Scientific Team Building for the Biostatistician or Epidemiologist Co-Investigator
Cabinet
This workshop will consist of two portions. In the first portion, Dr. Bennett will give a didactic presentation on the theory of team building, touching on the phases of team building as well as characteristics of successful teams. The second portion of the workshop will consist of case studies, break-out groups, and discussion specifically focused on the role of biostatistician and epidemiologist co-investigators in scientific teams.

Speaker:
L. Michelle Bennett, PhD, Deputy Scientific Director, Division of Intramural Research, National Heart, Lung, and Blood Institute, NIH

2:00 pm – 2:30 pm
Break
Exhibit Hall

2:30 pm – 4:00 pm
* CONCURRENT SESSIONS

NCATS Programs in Preclinical Therapeutics Development: A Platform for Collaboration
Diplomat
This session features the NCATS Division of Preclinical Innovation (DPI) and a real-world instance of how a partnership with DPI can integrate into a scientist’s research project. DPI uses NIH and other resources to advance collaborative research projects across the pre-clinical phases of the translational science spectrum. This session also provides a concrete instance of an extramural research program and how it uses these opportunities for collaboration.

Speakers:
Barry Coller, MD, David Rockefeller Professor of Medicine; Head, Allen and Frances Adler Laboratory of Blood and Vascular Diseases, Physician in Chief, Vice President for Medical Affairs, the Rockefeller University
John McKew, MD, Acting Director, Division of Pre-Clinical Innovation, National Center for Advancing Translational Sciences (NCATS), National Institutes of Health (NIH)

How to Write a K Grant
Palladian
Career development awards (also called K awards) provide an important step in the evolution to independent grant funding. This interactive workshop reviews the purpose of K awards, options for K award funding, and provides tips for success in your K application. Attendees will receive advice from senior investigators, current K recipients, and NIH representatives to help you achieve success in the application process.

Chair:
Roy Weiner, MD, Schlierer Professor of Medical Oncology and Associate Dean for Clinical Research and Training, Tulane University School of Medicine

Speakers:
“The NIH and Peer Review of Mentored Career Development Applications”
John Connaughton, PhD, Section Chief, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH)

“What are Ks?”
Marie Gelato, MD, Professor, Department of Internal Medicine, SUNY Stony Brook School of Medicine

“Writing the Sections of a K”
Ellen Seely, MD, Professor of Medicine, Harvard Medical School

“The Applicant Experience and Revising your K Application”
Jonathan Williams, MD, MMSc, Assistant Professor of Medicine, Harvard Medical School

April 9-11, 2014 | 13
* These sessions are part of the CME Program
Academic Advancement for Translational Researchers

Ambassador

In this session, panelists will discuss current promotion and tenure practices for clinical and translational scientists. Panelists will also identify the challenges of recognizing collaborative research, and explore ways to engage the NIH to help improve retention and promotion rates in academic medicine.

Chairs:
Keith Colburn, MD, Head, Medicine, Rheumatology & Immunology Division; Professor of Internal Medicine and Rheumatology, Professor of Basic Sciences, Loma Linda University Medical Center
Eng Lo, PhD, Professor of Neurology and Radiology, Harvard Medical School, Massachusetts General Hospital
Abraham Thomas, MD, MPH, Division Head, Endocrinology, Diabetes, Bone and Mineral Disorders Division, Henry Ford Hospital

Speakers:
Ann Bonham, PhD, Chief Scientific Officer, American Association of Medical Colleges
Margaret Gyetko, MD, Professor of Internal Medicine, Senior Associate Dean for Faculty and Faculty Development, University of Michigan Medical School
Rebecca Jackson, MD, Professor of Medicine, Associate Dean for Clinical Research and Director, The Center for Clinical and Translational Science, College of Medicine, Division of Endocrinology, Diabetes and Metabolism, The Ohio State University

NIH Institutes as Drivers of Disease-Specific Translational and Clinical Innovation

Congressional

The NIH is one of the nation’s crown jewels, and the largest source of funding for medical research in the world. It is made up of 27 Institutes and Centers (I/Cs), each with a specific research agenda, focusing on particular diseases or body systems. I/C leadership plays an active role in shaping the agency’s research planning and vision. This session provides three perspectives from I/C leaders of innovative grant programs planned by NICHD, NINDS, and NIDDK.

Chair:
Harry Shamoony, MD, Professor of Medicine, Associate Dean for Clinical and Translational Research, Albert Einstein College of Medicine Director, Harold and Muriel Block Institute for Clinical and Translational Research at Einstein and Montefiore

Speakers:
“Translating Discovery into Action: NIDDK’s Commitment to Clinical Science”
Greg Germino, MD, Deputy Director, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH)

“NINDS Perspective on Therapy Development for Neurological Disorders”
Walter Koroshetz, MD, Deputy Director, National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH)

“Translating Science into Advances and Practice Changes: NICHD’s Commitment to Improving Health”
Cathy Spong, MD, Associate Director for Extramural Research, National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH)

2:30 pm – 4:00 pm
Pre-Doctoral Program Concurrent Oral Presentations Session 2
For full listing of oral presentations see page 18.
Executive, Forum, Senate, Council

4:00 pm – 4:30 pm
Break
Regency Gallery

4:30 pm – 6:00 pm
* Thursday Afternoon Plenary: “From Vaccine to Vaccination: It takes a Village”
Regency Ballroom
Basic science and scientific discovery are at the heart of any advance in medicine, but the development, licensure and use of a product that will have an impact on individual and public health requires input from a number of fields along the way. Because vaccines work at both the individual and the community level, integrating their use in the population highlights the importance of the many partners and stakeholders in the vaccine and immunization enterprise.
Bruce Gellin, MD, MPH, Deputy Assistant Secretary for Health; Director, National Vaccine Program Office (NVPO), US Department of Health and Human Services (HHS)

6:00 pm – 7:30 pm
Reception and Poster Viewing
Exhibit Hall

* These sessions are part of the CME Program
FRIDAY, APRIL 11

7:00 am – 8:00 am
Breakfast
Regency Gallery

7:00 am – 8:00 am
TL1 Program Director’s Meeting
Governor’s Boardroom

7:15 am – 7:45 am
ACTS General Business Meeting
[ACTS Members Only]
Regency Ballroom

8:00 am – 9:00 am
Friday Morning Plenary: Collaborative Partnerships: Engines for Translational Science
Regency Ballroom
Continued great unmet medical needs for patients demands new approaches to more effective and efficient therapeutic discovery and development. Translational science provides a key for success. However, optimal efforts will require strategic and proactive use of collaborative partnerships. Further, such efforts will need to be improved by shared learning.

William Chin, MD, Director, Scientific & Regulatory Affairs, Pharmaceutical Research and Manufacturers of America [PhRMA]

9:00 am – 9:30 am
Break
Exhibit Hall

9:00 am – 10:30 am
Poster Viewing
Exhibit Hall

9:30 am – 10:30 am
* CONCURRENT SESSIONS

**Transformation of T3 Translational Research by Comparative Effectiveness Research and the Advent of the Patient-Centered Outcomes Research Institute**
Diplomat
Comparative Effectiveness Research and the advent of patient-centered outcomes research have redefined the scope of T3 translational research. During this session, attendees will benefit from an overview of the patient-centering of health services research, and hear scientific examples of the direct interplay between health services research and the community.

Chair:
Harry Selker, MD, MPH, MSPH, Dean, Tufts University Clinical and Translational Science Institute, Executive Director, Tufts Medical Center Institute for Clinical Research and Health Policy Studies

Speakers:
"Community Engagement in CER"
Laurel Leslie, MD, MPH, Director of the Program for Aligning Researchers and Communities for Health (ARCH) at Tufts CTSI, Associate Professor of Medicine and Pediatrics, Tufts Medical Center and Floating Hospital for Children, and Director of the Program for Assessing and Implementing Medical and Mental Health Services in Pediatrics (AIMS), Tufts Medical Center's Institute for Clinical Research and Health Policy Studies

"Making Health Services Research Responsive to the Community”
James Lloyd Michener, MD, Chairman, Department of Community and Family Medicine, Duke University

"The Patient-Centering of Health Services Research”
Joe Selby, MD, MPH, Executive Director, Patient-Centered Outcomes Research Institute (PCORI)

* These sessions are part of the CME Program

Serendipity in Science Part II
Palladian
Some of medicine’s most illustrious discoveries have been guided by the researcher’s willingness to embrace and interpret serendipitous findings. In this session, pioneers from several fields present and discuss a multi-disciplinary approach to study interaction and signaling across different disease phenotypes. Experts will highlight some important recent invention and discovery in pulmonary, cardiovascular, hematologic, endocrine, and neurologic diseases - showcasing how “chance” may indeed “favor the prepared mind”.

Chairs:
MingMing Ning, MD, MMSc, Director, Clinical Proteomics Research Center and Director, Neurology Consultation Service and Cardio-Neurology Clinic, Mass General Hospital Harvard Medical School
Abraham Thomas, MD, MPH, Division Head, Endocrinology, Diabetes, Bone and Mineral Disorders Division, Henry Ford Hospital

Speakers:
"Translating from Mass Spectrometry to the Bedside”
Mary Lopez, PhD, MD, Director, BRIMS Center, Thermo Fisher Scientific

"Inventing the Inventors—From Liquid Battery to Human Disease”
Donald Sadoway, PhD, John F. Elliott Professor of Materials Chemistry, Massachusetts Institute of Technology

"Mirroring in Empathy”
Steve Small, PhD, MD, Stanley van den Noort Professor and Chair, Professor of Neurobiology and Behavior, Professor of Cognitive Sciences; Director, Brain Imaging Center, University of California, Irvine
Attendees will choose the Executive, Senate, or Forum room, and will remain there while presenters circulate.

Writing an F Award – Study Section Simulation
This workshop will review the purpose of F awards, options for F award funding, and provide advice and tips for writing an F application.

Curriculum Vitae Management Position
This workshop will provide valuable advice and tips for creating and maintaining a professional curriculum vitae. Speakers will lead a discussion of different CV formats, audiences and intended outcomes.

Speakers:
- Dr. Stephen Ekker, Associate Program Director, CTS Predoctoral Programs Mayo Clinic College of Medicine
- Christy Bykes-Jazayeri, Data Manager, Michigan Institute for Clinical and Health

Securing a Postdoc Position
This workshop will provide an overview of NIH funding opportunities for postdoc’s including the intramural programs available at the NIH campus. Dr. Faupel-Badger will also discuss what these hiring managers look for in the interview process as well as the pros and cons of each opportunity.

Speaker:
- Dr. Jessica Faupel-Badger, Director, Postdoctoral Research Associates (PRAT) program, National Institute of General Medical Sciences.

Designing the Science: A Biostatistician’s Perspective
Palladian
With the increasing complexity of translational and clinical research, team science has become necessary, utilizing investigators from multiple disciplines and expertise. Biostatistics is one of the disciplines which contribute to the research design, including helping to frame the hypothesis as well as the sample size for the study, monitoring study conduct for quality, providing statistical analysis and contributing to the presentation and publication of the final results. In this process, academic biostatisticians must survive in their academic institutions. Principles of team science will be examined in general and with respect to biostatisticians. Examples of a biostatistician working as a team member in laboratory/genomics settings, in clinical research, and in epidemiological studies will be presented.

Chair:
- David L. DeMets, PhD, Max Halperin Professor of Biostatistics, Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison

Speakers:
- “Impact in Clinical/Translational Studies” Frank Harrell, PhD, Professor and Chair, Department of Biostatistics, Vanderbilt University School of Medicine
- “Team Science Success in Genomics Research” Christina Kendzierski, PhD, Professor, Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison
- “Roles in Observational Studies, Electronic Health Records & Big Data” Brad H. Pollock, PhD, MPH, Professor and Chairman, Department of Epidemiology & Biostatistics, University of Texas Health Science Center at San Antonio
- “General Team Science Issues for Biostatisticians” Mike Kurilla, MD, Director of the Office of Biodefense Research Affairs and Associate Director for Biodfense Product Development, National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH)
The Affordable Care Act as Health Policy Research Ambassador

Health policy aims to improve access and quality of care, represent innovation and experimentation, requiring close observation, evaluation, and ongoing revision. The Affordable Care Act, for example, can be viewed as one of the nation’s largest experiments. Evaluation of ACA implementation and effects through a health policy research lens will provide valuable lessons from current experimentation and will further inform future innovations to optimize healthcare.

Chair:
Rebecca Jackson, MD, Professor of Medicine, Associate Dean for Clinical Research and Director, The Center for Clinical and Translational Science, College of Medicine, Division of Endocrinology, Diabetes and Metabolism, The Ohio State University

Speakers:
Harry Selker, MD, MPH, Professor, Tufts University School of Medicine, Dean, Tufts University-wide Clinical and Translational Science Institute, Principal Investigator the NIH Clinical and Translational Science Award (CTSA)
William Shrank, MD, MSHS, Director, Rapid-Cycle Evaluation Group, Center for Medicare and Medicaid Services

Effective Training Methods for Translational Research Using Insights from the Pre-Doctoral Training Programs Congresional

In this session, panelists will discuss novel training models, tracks, and tools available to pre-doctoral and postdoctoral junior faculty level trainees that contribute to launching a successful career in translational research.

Chairs:
Jennifer Kwan, MD, PhD, APSA Policy Chair, University of Illinois at Chicago
Carol Merchant, MD, MPH, National Center for Advancing Translational Sciences (NCATS), National Institutes of Health (NIH)

Speakers
‘Lessons, Outcomes from HHMI Med to Grad in Predoctoral Translational Research’
Anh-Chi Le, PhD, Program Officer, Office of Grants and Special Programs, Howard Hughes Medical Institute
‘Lessons and Insights for Translational Research Training at the Early Career, Fellow, and Resident Levels’
Emma Meagher, MD, Associate Professor of Medicine at the Hospital of the University of Pennsylvania and the Presbyterian Medical Center of Philadelphia
Andrew Schafer, MD, Professor, Medicine in Hematology-Oncology, Director, Richard T. Silver Center for Myeloproliferative Neoplasms, Weill Cornell Medical College
‘Insights from TI Training for Predoctoral Training in Translational Research, Challenges, Areas for Improvement’
Anthony Windlebank, MD, Professor of Neurology, Mayo Graduate School of Medicine, Mayo Clinic College of Medicine

Meetings with NIH Program Officers Regency Ballroom

NIH Program Officers will meet with small groups of scholars to discuss their individual career development plans, including grant application strategies. Program officers from different institutes will be available for a 1.5 hour block that scholars can utilize to have direct discussions with NIH staff about research, training and career development grants in clinical and translational research.

12:30 pm – 1:30 pm

*Friday Afternoon Plenary Regency Ballroom

“Bench to Bassinet: Challenges and Opportunities in Child Health Research”
Lisa Guay-Woodford, MD, Hudson Professor of Pediatrics, Associate VP for Clinical and Translational Research, The George Washington University, Director, Center for Translational Science, Director, CTSI-CN, Children’s National Health System

“Translational Medicine Innovation: Patients and Digital Technology as the New Drivers of Next Generation Medicine”
Victoria Seyfert-Margolis, PhD, CEO and Founder, MyOwnMed, Inc.

* These sessions are part of the CME Program
Oral Presentations

Scholar Oral Presentations

Thursday, April 10
11:15 am – 12:15 pm

Select KL2 Scholar abstracts have been identified for oral presentations. Oral presentations will be presented in 10 minute increments in the order as outlined below. The bold and underlined name is the oral presentation presenter.

T0 and T1: Basic Science and Translation to Humans

Diplomat

NOVEL TARGETED THERAPY FOR NEUROBLASTOMA: SILENCING THE MXD3 GENE USING SIRNA
Noriko Satake, Connie Duong, Cathy Chen, Sakiko Yoshida, Gustavo Barrione, Jan Nohta, Elva Diaz, Nitin Nitin
UC Davis, Sacramento, California, United States

INHIBITION OF PURINERGIC RECEPTOR SIGNALING BLOCKS EARLY HIV-1 INFECTION
Talia H. Swartz, Anthony M. Esposito, Durham D. Natasha, Benjamin K. Chen
Icahn School of Medicine at Mount Sinai, New York, New York, United States

FCYRIA POLYMORPHISM IS ASSOCIATED WITH INCREASED RISK OF POST-TRAUMATIC SEPSIS
Sonlee D. West1, Orrin Myers2, Carolyn Mold3
1The Rockefeller University, New York, New York, United States, 2Roosevelt University, Chicago, Illinois, United States, 3Department of Molecular Genetics and Microbiology UNM School of Medicine, Albuquerque, New Mexico, United States

NEUROMedin U RECEPTOR 2 AS A NOVEL THERAPEUTIC TARGET TO TREAT OBESITY
Jonathan D. Hommel, Caitlin R. Benzon, Na Ye, Sarah B. Johnson, David L. McCue, Jia Zhou
University of Texas Medical Branch, Galveston, Texas, United States

DEVELOPMENT OF AMYgdALa-PREFrontAL CIRCUITRY FROM CHILDHOOD TO YOUNG ADULTHOOD
Minjie Wu1, Lisa Hamm1, Daniel Fitzgerald1, Jacklynn Fitzgerald1, Lisa H. Lu1,1, Rachel H. Jacobs1, Christopher Monk1, K. Luan Phan1
1University of Illinois at Chicago, Chicago, Illinois, United States, 2Roosevelt University, Chicago, Illinois, United States, 3University of Michigan, Ann Arbor, Michigan, United States

THE NEUROCIRCUITRY OF INFLAMMATION IN DEPRESSION
Jennifer C. Felger1, Zhihao Li1, Ebrahim Haroon1, Xiaoping P. Hu1, Andrew H. Miller1
1Psychiatry and Behavioral Science, Emory University, Atlanta, Georgia, United States, 2Bombed Engineering, Georgia Institute of Technology and Emory University, Atlanta, Georgia, United States

FACTOR VIII MAY PREDICT CATHERET-RELATED THROMBOSIS IN CRITICALLY ILL CHILDREN
E. Vincent Faustino1, Simon Li1, Cicero Silva1, Eugene Shapiro1
1Yale School of Medicine, New Haven, Connecticut, United States, 2New York Medical College, Valhalla, New York, United States

IDENTIFICATION OF OPTIMAL STIMULATION SITE FOR CERVICAL DYSTONIA SYMPTOMS
Sarah Pirio Richardson1, Sule Tincz2, Meg Radigan1
1Neurology, University of New Mexico, Albuquerque, New Mexico, United States, 2National Institute of Neurological Disorders and Stroke, Bethesda, Maryland, United States

DECREASED MYELIN INTEGRITY IN NORMAL CONTROLS WITH HIPPOCAMPAL ATROPHY
Andreana Benitez, Clifford Chan, Jens Jensen, Joseph Helpern
Radiology and Radiological Science, Medical University of South Carolina, Charleston, South Carolina, United States

DURATION OF SUBSYNDROMAL DELIRIUM, INSTITUTIONALIZATION, MORTALITY AND COGNITIVE IMPAIRMENT FOLLOWING CRITICAL ILLNESS
Nathan E. Brummel1, Pratik P. Pandharipande, Timothy D. Girard, James C. Jackson, Jennifer L. Thompson, Rameela Chandrasekhar, Christopher G. Hughes, Wes Ely
Vanderbilt School of Medicine, Nashville, Tennessee, United States

T2: Translation to Patients

Palladian

T3: Translation to Practice

Ambassador

TISSUE ENGINEERING MICROVESSELS TO PERFUSE ISOLATED GLOMERULI IN VIVO
William G. Chang, Laura E. Niklason, W. Mark Saltzman, Jordan S. Pober
Medicine, Yale University, New Haven, Connecticut, United States

ASSESSING PEDIATRIC CENTRAL LINE VOLUME-OUTCOME EFFECTS ON CENTRAL LINE ASSOCIATED BLOOD STREAM INFECTIONS
Anthony Goudie1, Linda Dynan2, Patrick W. Brady1
1Pediatrics, University of Arkansas for Medical Sciences, Little Rock, Arkansas, United States, 2Cincinnati Children’s Hospital Medical Center, Cincinnati, Ohio, United States

MULTICENTER QUALITY IMPROVEMENT (QI) INTERVENTION TO REDUCE BLOOD CULTURE CONTAMINATION
Wesley H. Self
Emergency Medicine, Vanderbilt University, Nashville, Tennessee, United States

COOLING OF LIMBS: A COOL THERAPY FOR TREATMENT OF ESSENTIAL TREMOR
Aparna Wagle Shukla, Vinata Vedam-Mai, David Vaillancourt, Michael Okun, Lisa Warren
University of Florida, Gainesville, Florida, United States

PEOPLE JUST DON’T UNDERSTAND: A CROSS-SECTIONAL SURVEY OF LOW-INCOME URBAN PATIENTS AND MEDICAID ELIGIBILITY UNDER THE ACA
Elizabeth Burner, Sophie Terp, Chun Nok Lam, Michael Menchine, Sanjay Arora
University of Southern California, Los Angeles, California, United States

CLINICAL AND ECONOMIC IMPACT OF RAPID IDENTIFICATION AND SUSCEPTIBILITY TESTING OF PATHOGENS GROWING IN BLOOD CULTURE BOTTLES
Ritu Banerjee, Christine Teng, Scott Cunningham, Indhe Sherry, Jay Mandrekar, Robin Patel
Mayo Clinic, Rochester, Minnesota, United States

OBSTETRICAL DECISION-MAKING FOR PERRIVABLE DELIVERIES: A CONJOINT ANALYSIS
Brownsyne M. Tucker Edmonds, Fatima McKenzie, Kristin Hendrix, Gregory Zimet
Indiana University School of Medicine, Indianapolis, Indiana, United States
T4: Translation to Population

Congressional

FRONTAL T-AXIS AND QRS-T ANGLE ON ECG IMPROVE RISK PREDICTION OF CARDIOVASCULAR DEATH

Amit J. Shah1, 3, Elsayed Z. Soliman2, Viola Vaccarino1
1Epidemiology, Emory University, Atlanta, Georgia, United States, 2Wake Forest University, Winston Salem, North Carolina, United States, 3Atlanta Veterans Affairs Medical Center, Atlanta, Georgia, United States

RACIAL DISPARITIES IN SEPSIS ARE ASSOCIATED WITH RESIDENCE IN MEDICALLY UNDERSERVED AREAS

Andrew J. Goodwin, Kit N. Simpson, Dee W. Ford Medicine, Medical University of South Carolina, Charleston, South Carolina, United States

LIFESPAN PREDICTORS OF CARDIOVASCULAR MORBIDITY IN INDIVIDUALS REACHING MIDDLE AGE: THE BOGALUSA HEART STUDY

Camilo Fernandez, Shengxu Li, Wei Chen, Sathanur R. Srinivasan, Gerald S. Berenson Center for Cardiovascular Health, Tulane University, New Orleans, Louisiana, United States

MANAGEMENT AND OUTCOMES OF PROSTHETIC JOINT INFECTIONS: A RETROSPECTIVE ANALYSIS

Michael Lane, Shadi Parsaei, Jonas Marschall, Ganeshraj S. Ganeshraj, Gu Alice, Phani Bodavula, David K. Warren Washington University School of Medicine, St. Louis, Missouri, United States

A PROPOSED RISK-BASED DEFINITION OF SMALL FOR GESTATIONAL AGE

Jarrod E. Dalton1, Neal V. Dawson2
1Cleveland Clinic, Cleveland, Ohio, United States, 2Case Western Reserve University/MetroHealth Medical Center, Cleveland, Ohio, United States

DELAYED-ONSET CYTOMEGALOVIRUS IN A RETROSPECTIVE COHORT OF HEART TRANSPLANT RECIPIENTS

Carlos A. Santos, Daniel C. Brennan, Victoria J. Fraser, Margaret A. Olsen Division of Infectious Diseases, Department of Medicine, Washington University in St. Louis School of Medicine, Saint Louis, Missouri, United States

Concurrent Pre-Doctoral Trainee Oral Presentations

Session 2

Thursday, April 10

12:30 pm – 2:00 pm

Select pre-doctoral trainees will present their research in 15 minute increments.

Pre-Doctoral Oral Session A-1

Executive

TREATMENT OF SUPRAVENTRICULAR TACHYCARDIA IN INFANTS: ANALYSIS OF A LARGE, MULTICENTER DATABASE

Patricia Chu
Duke University Medical Center

THYROID HORMONE DISRUPTION BY PERSISTENT ORGANIC POLLUTANTS THROUGH ALTERED CALCIUM DYNAMICS IN PITUITARY THYROTROPHE CELLS

Kyla Walter
University of California-Davis

TARGETING SCHOOL-AGE CHILDREN WITH INFLUENZA VACCINATION REDUCES THE COMMUNITY RISK OF MEDICALLY-ATTENDED INFLUENZA-LIKE ILLNESS

Cuc Tran
University of Florida

A TISSUE ENGINEERED HUMAN LIVER MICROPHYSIOLOGICAL SYSTEM

Jenna Voellinger
University of Washington

IDENTIFICATION AND FUNCTIONAL ANALYSIS OF KEY GENETIC DRIVERS OF CUTANEOUS SQUAMOUS CELL CARCINOMA

Vida Chitsazzadeh
University of Texas MD Anderson Cancer Center Houston

Pre-Doctoral Trainee Oral Session B-1

Forum

ENHANCED ACTIVE TB CASE FINDING AMONG PEOPLE LIVING WITH HIV: IMPACT OF A RAPID MOLECULAR TEST (XPERT MTB/RIF)

Max Adelman
Emory University School of Medicine

ENCODING OF VOICE ONSET TIME, A TEMPORAL CUE, IN HUMAN CORTEX

Kunal Raygor
University of California, San Francisco

VISUALIZING DIMENSIONALITY-REDUCED BRAIN NETWORKS IN AN IMMERSIVE VIRTUAL REALITY ENVIRONMENT

Allen Ye
University of Illinois, Chicago

ENGINEERING A UNIVERSAL DONOR SKIN TRANSPLANT

Ryan LaRanger
University of Texas Southwestern Medical Center

PROFILE OF MINORITY HIV VACCINE PARTICIPANTS: LESSONS LEARNED FROM PHASE I HIV VACCINE TRIALS TO INCREASE MINORITY PARTICIPATION

Cindi Lewis
University of Rochester Medical Center
Oral Presentations

Pre-Doctoral Trainee Oral Session C-1

Senate

DNA METHYLATION AND PREDICTION OF SURVIVAL AND TIME-TO-RECURRENT IN CHILDHOOD GERM CELL TUMORS USING SEMI-STRUCTURED RECURSIVELY PARTITIONED MIXTURE MODELS
Jessica Musselman
University of Minnesota

CHOICES: REPRODUCTIVE AND SEXUAL HEALTH DECISION-MAKING AMONG WOMEN IN WESTERN KENYA
April Bell
Indiana University School of Public Health

SINUSITIS FROM AN INSTITUTIONAL PERSPECTIVE: DEFINING THE BURDEN OF DISEASE AT THE UNIVERSITY OF MICHIGAN
Sarah Akkina
University of Michigan and the Michigan Institute for Clinical and Health Research (MICHR)

ZEBRAFISH AS A TRANSLATIONAL MODEL FOR THE STUDY OF NICOTINE AND ETHANOL USE
Margot Cousin
Mayo Graduate School

REAL-WORLD ASSESSMENT OF BILATERAL UPPER EXTREMIT Y ACTIVITY
Ryan Bailey
Washington University School of Medicine in St. Louis

Pre-Doctoral Trainee Oral Session D-1

Council

JAK/STAT INHIBITION TO PREVENT POST-TRAUMATIC EPILEPTOGENESIS
Daniel Raible
University of Colorado, Denver

GERIATRIC ASSESSMENT AS PREDICTORS OF HOSPITALIZATION IN SENIOR ADULTS WITH CANCER
Leslie Chiang
Washington University School of Medicine in St. Louis

VANCOMYCIN TOLERANCE AND CLINICAL OUTCOMES IN STAPHYLOCOCCUS AUREUS BACTEREMIA
Nicholas Britt
University of Kansas Medical Center

HUMAN PAPILLOMAVIRUS TYPE 16 ENTRY VIA THE ANNEXIN A2 HETEROTETRAMER SUPPRESSES PRIMARY HUMAN LANGERHANS CELL MATURATION; AN IN VITRO EXPERIMENTAL STUDY
Andrew Woodham
University of Southern California

NOVEL AMINE OXIDASE INHIBITORS REVEAL NEW THERAPEUTIC STRATEGIES TO REDUCE ISCHEMIA-REPERFUSION DAMAGE IN ISOLATED RAT HEARTS.
Craig Kutz
South Carolina Clinical & Translational Research (SCTR) Institute, the Medical University of South Carolina

Concurrent Pre-Doctoral Trainee Oral Presentations Session 2

Thursday, April 10
2:30 pm – 4:00 pm

Pre-Doctoral Trainee Oral Session A-2

Executive

THE HUMAN TESTIS AS A MODEL OF RETINOIC ACID FORMATION
Samuel Arnold
University of Washington

BACTERIAL DNA PROMOTES MUCOSAL ANTIBODY PRODUCTION IN NEWBORN INFANTS
Claire Gustafson
University of Colorado – Anschutz Medical Campus and the Colorado Clinical & Translational Sciences Institute

MICROBIOTA TRANSPLANTATION RESTORES NORMAL FECAL BILE ACID COMPOSITION IN RECURRENT CLOSTRIDIUM DIFFICILE INFECTION
Alexa Weingarden
University of Minnesota

IMMUNOTHERAPY FOLLOWING REGIONAL CHEMOTHERAPY TREATMENT OF ADVANCED EXTREMITY MELANOMA
Betty Jiang
Duke University Medical Center

IMAGING FOR EARLY DIAGNOSIS AT VASCULAR CALCIFICATION
Mikaela McKenney
Indiana University School of Medicine
Pre-Doctoral Trainee Oral Session B-2
Forum

STIGMA AND DISORDERS OF SEX DEVELOPMENT (DSD)
Aimee Rolston
University of Michigan

WHOLE EXOME SEQUENCING IDENTIFIES ABCB4 GENE VARIANTS AS MODIFIER GENE IN BILIARY ATRESIA OUTCOMES
Anya Mezina
Emory University School of Medicine

BLUE LIGHT EMITTING DIODES GENERATE REACTIVE OXYGEN SPECIES AND MODULATE KEY CELLULAR FUNCTION ASSOCIATED WITH SKIN FIBROSIS
Andrew Mamalis
University of California at Davis

LENGTH OF STAY AND THIRTY DAY READMISSION FOR YOUTH/YOUNG ADULTS AGING WITH SICKLE CELL DISEASE
Jenna Jones
UCLA Clinical & Translational Science Institute and Fielding School of Public Health Department of Health Policy and Management

Pre-Doctoral Trainee Oral Session C-2
Senate

OVERCOMING IMMUNE TOLERANCE IN CANCER PATIENTS BY MIMICKING MECHANISMS SEEN IN LATE PREGNANCY
Elizabeth Enninga
Mayo Clinic

A-KINASE ANCHORING PROTEIN (AKAP)-LBC COORDINATES PROTEIN KINASE A (PKA) PHOSPHORYLATION AND INHIBITION OF THE TYROSINE PHOSPHATASE SHP2
Brian Burmeister
University of Illinois at Chicago

NOVEL INSIGHTS INTO THE PATHOGENESIS OF HYPERTENSION IN PREGNANCY: C-REACTIVE PROTEIN AS A BIOMARKER AND MEDIATOR
Nicholas Parchim
University of Texas Health Science Center

DOES SMOKING STATUS AFFECT SHORT-TERM TREATMENT OUTCOMES AND TREATMENT ALLOCATION IN PATIENTS WITH ROTATOR CUFF TEAR?
Germanuel Landfair
University of Michigan Medical School

DIFFERENTIATING PANCREATIC CYSTIC NEOPLASMS BY GLOBAL PROTEASE SPECIFICITY
Dana Dominguez
University of California, San Francisco

Pre-Doctoral Trainee Oral Session D-2
Council

THE FITNESS COST OF FLUOROQUINOLONE RESISTANCE (FQ-R) ON CLINICAL STRAINS OF PSEUDOMONAS AERUGINOSA DIFFERS BY GENOTYPE, AN EXPERIMENTAL IN VITRO STUDY
Melissa Agnello
University of Southern California

METABOLIC ANALYSIS FOR DUCHENNE MUSCULAR DYSTROPHY
Brittany Lee-McMullen
University of Florida

DIFFERENTIAL RAPID SYNAPTIC POTENTIATION IN NUCLEUS ACCUMBENS CORE VERSUS SHELL DURING COCAINE CUE-INDUCED RELAPSE AND EXTINCTION
Douglas Roberts-Wolfe
Medical University of South Carolina

UTILIZING ADMINISTRATIVE DATA TO TRACK SURGICAL OUTCOMES FOLLOWING CHIARI DECOMPRESSION
Jacob Greenberg
Washington University School of Medicine in St. Louis

HIGH-RESOLUTION IMAGING OF APOE4-INDUCED SYNAPTIC DYSFUNCTION
Aaditya Nagaraj
UT Southwestern Medical Center at Dallas
Ancillary Meeting Schedule

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

Wednesday, April 9

11:00 am – 12:30 pm
Translational Science Evaluation Forum
Congressional A/B

2:00 pm – 5:00 pm
ACTS Training Leadership Meeting
Congressional A/B

Thursday, April 10, 2014

7:00 am – 8:00 am
MENTOR Network CTSA/RCMI/COE/AAMP Consortium Executive

9:30 am – 11:00 am
Education Administrators Networking Meeting
Governor’s Boardroom

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