## Schedule-at-a-Glance

*All events are open to Translational Science 2017 attendees unless otherwise noted. Please refer to the hotel floor plan on the inside back cover of your program.  

### WEDNESDAY, APRIL 19

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am - 9:15 am</td>
<td>Pre-Capitol Hill Advocacy Training*</td>
<td>Washington 1-3</td>
</tr>
<tr>
<td>8:15 am - 12:30 pm</td>
<td>NIH Tour*</td>
<td>Meet in Marriott Lobby (near Harry’s Pub) at 8:00 am</td>
</tr>
<tr>
<td>9:00 am - 4:00 pm</td>
<td>CTSA Administrators’ Meeting Closed Meeting</td>
<td>Washington 5</td>
</tr>
<tr>
<td>9:15 am - 1:00 pm</td>
<td>Capitol Hill Advocacy Visits*</td>
<td>Meet in Marriott lobby (near Harry’s Pub) following Advocacy Training</td>
</tr>
<tr>
<td>2:00 pm - 5:00 pm</td>
<td>Post-Doctoral Mock Study Sessions*</td>
<td>Washington 1-3</td>
</tr>
<tr>
<td>3:00 pm - 4:30 pm</td>
<td>Research on a Napkin</td>
<td>Wilson AB</td>
</tr>
<tr>
<td>5:00 pm - 6:40 pm</td>
<td>Opening Plenary Session</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>6:40 pm - 8:00 pm</td>
<td>Opening Reception with Poster Viewing and Awards Presentation</td>
<td>Exhibit Hall A</td>
</tr>
<tr>
<td>6:40 pm - 8:00 pm</td>
<td>Pre-Doctoral Speed Mentoring*</td>
<td>Suites 8206, 8211, 8212</td>
</tr>
</tbody>
</table>

### THURSDAY, APRIL 20

<table>
<thead>
<tr>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>7:00 am - 8:00 am</td>
<td>Pre-Doctoral Speed Mentoring*</td>
<td>Suites 8206, 8211, 8212, 8218</td>
</tr>
<tr>
<td>7:00 am - 8:00 am</td>
<td>JCTS Editors’ Breakfast*</td>
<td>Coolidge</td>
</tr>
<tr>
<td>7:00 am - 8:00 am</td>
<td>Continental Breakfast and Poster Viewing</td>
<td>Exhibit Hall A</td>
</tr>
<tr>
<td>8:00 am - 9:00 am</td>
<td>Plenary Session</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>9:15 am - 10:15 am</td>
<td>Concurrent Sessions</td>
<td>See page 7 for listings</td>
</tr>
<tr>
<td>10:00 am - 11:15 am</td>
<td>Scholar Networking Meeting with Federal Training Partners</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>10:30 am - 11:30 am</td>
<td>Concurrent Sessions</td>
<td>See page 8 for listings</td>
</tr>
<tr>
<td>11:45 am - 1:00 pm</td>
<td>Pre-Doctoral Lunch*</td>
<td>Wilson</td>
</tr>
<tr>
<td>11:45 am - 1:00 pm</td>
<td>Lunch on Own</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>12:00 pm - 1:00 pm</td>
<td>Post-Doctoral Speed Mentoring*</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>1:00 pm - 2:00 pm</td>
<td>Concurrent Sessions</td>
<td>See page 9 for listings</td>
</tr>
<tr>
<td>1:15 pm - 2:15 pm</td>
<td>Post-Doctoral Speed Mentoring*</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>2:15 pm - 3:15 pm</td>
<td>Poster Viewing and Networking Break</td>
<td>Exhibit Hall A</td>
</tr>
<tr>
<td>2:15 pm - 3:15 pm</td>
<td>Broadly Engaged Team Science: Guidelines for Research Institutions for Stakeholder Engagement</td>
<td>Washington 6</td>
</tr>
<tr>
<td>2:15 pm - 3:15 pm</td>
<td>Pre-Doctoral Speed Mentoring*</td>
<td>Suites 8206, 8211, 8212, 8218</td>
</tr>
<tr>
<td>3:30 pm - 4:30 pm</td>
<td>Concurrent Sessions</td>
<td>See page 10 for listings</td>
</tr>
<tr>
<td>4:45 pm - 5:45 pm</td>
<td>Concurrent Distinguished Pre- and Post-Doctoral Oral Presentations</td>
<td>See pages 13-14 for listings</td>
</tr>
<tr>
<td>4:45 pm - 5:45 pm</td>
<td>Integrating Clinical and Translational Research into Clinical Practice</td>
<td>Washington 6</td>
</tr>
<tr>
<td>6:00 pm - 7:00 pm</td>
<td>Pre-Doctoral Speed Mentoring*</td>
<td>Suites 8206, 8211, 8212</td>
</tr>
<tr>
<td>6:00 pm - 7:30 pm</td>
<td>Reception with Poster Viewing and Awards Presentation</td>
<td>Exhibit Hall A</td>
</tr>
</tbody>
</table>

### FRIDAY, APRIL 21

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am - 8:00 am</td>
<td>Continental Breakfast and ACTS Annual Business Meeting</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>8:00 am - 9:00 am</td>
<td>Concurrent Sessions</td>
<td>See pages 11-12 for listings</td>
</tr>
<tr>
<td>9:15 am - 10:15 am</td>
<td>Concurrent Distinguished Pre- and Post-Doctoral Oral Presentations</td>
<td>See pages 14-15 for listings</td>
</tr>
<tr>
<td>10:30 am - 11:30 am</td>
<td>Concurrent Sessions</td>
<td>See page 12 for listings</td>
</tr>
<tr>
<td>11:45 am - 1:00 pm</td>
<td>Closing Plenary Session</td>
<td>Marriott Ballroom</td>
</tr>
</tbody>
</table>
Plan Your Schedule
Translational Science 2017 Award Winners

Edward H. Ahrens, Jr.
Distinguished Investigator Award
Harry Ginsberg, MD
Columbia University, Irving Institute for Clinical and Translational Research

ACTS Distinguished Investigator: Translation from Early Clinical Use to Applicability for Widespread Clinical Practice
Peter J. Snyder, MD
University of Pennsylvania Perelman School of Medicine

ACTS Distinguished Investigator: Translation from Early Clinical Use to Applicability for Widespread Clinical Practice
Edward H. Ahrens, Jr.
Distinguished Investigator Award
Harry Ginsberg, MD
Columbia University, Irving Institute for Clinical and Translational Research

ACTS Distinguished Investigator: Translation from Early Clinical Use to Applicability for Widespread Clinical Practice
Peter J. Snyder, MD
University of Pennsylvania Perelman School of Medicine

ACTS Distinguished Investigator: Translation from Clinical Use into Public Benefit and Policy
AFMR Outstanding Investigator Award
Scott D. Halpern, MD, PhD
University of Pennsylvania Perelman School of Medicine

Clinical and Translational Research Distinguished Educator Award
Ellen W. Seely, MD
Brigham and Women’s Hospital and Harvard Medical School

Team Science Award
Gustavo F. Doncel, MD, PhD
CONRAD

PhRMA Foundation Award
Paul M. Campbell, PhD
Drexel University College of Medicine
Clinical Research Forum
Top Ten Clinical Research Achievement Awards

Anne I. Sperling, PhD
University of Chicago
How Environmental Exposures Protect Against Asthma
Herbert Pardes Clinical Research Excellence Award

Charles O’Brien, MD, PhD
University of Pennsylvania
Extended-Release Naltrexone to Prevent Opioid Relapse in Criminal Justice Offenders
Herbert Pardes Clinical Research Excellence Award

Bhakti K. Patel, MD
University of Chicago
Helmet Ventilation Reduces the Need for Endotracheal Ventilation in ARDS
Herbert Pardes Clinical Research Excellence Award

Mark C. Genovese, MD
Stanford University
Baricitinib in Patients with Refractory Rheumatoid Arthritis
Distinguished Clinical Research Achievement Award

Sekar Kathiresan, MD
Massachusetts General Hospital
Genetic Risk, Adherence to a Healthy Lifestyle, and Coronary Disease
Distinguished Clinical Research Achievement Award

Nima Sharifi, MD
Cleveland Clinic
HSD3B1 and Resistance to Androgen-Deprivation Therapy in Prostate Cancer: A Retrospective Multicohort Study
Distinguished Clinical Research Achievement Award

Emily Marie Bucholz, MD, PhD, MPH
Boston Children’s Hospital
Life Expectancy After Myocardial Infarction, According to Hospital Performance
Distinguished Clinical Research Achievement Award

Methodius G. Tuuli, MD, MPH
Washington University School of Medicine in St. Louis
A Randomized Trial Comparing Skin Antiseptic Agents at Cesarean Delivery
Distinguished Clinical Research Achievement Award

Aimee Payne, MD, PhD
University of Pennsylvania
Re-Engineering Chimeric Antigen Receptor T Cells for Targeted Therapy of Autoimmunity
Distinguished Clinical Research Achievement Award

Paul Fishman, MD, PhD
University of Maryland School of Medicine
The Use of Focused Ultrasound for Essential Tremor
Distinguished Clinical Research Achievement Award
Schedule of Events

WEDNESDAY, APRIL 19

8:00 am – 9:15 am
Pre-Capitol Hill Advocacy Training
Washington 1-3

8:15 am – 12:30 pm
NIH Tour
Pre-Registration Required, Includes Travel Times
Depart from Marriott lobby (near Harry’s Pub) at 8:00 am

9:00 am – 4:00 pm
CTSA Administrators’ Meeting
Closed Meeting
Washington 5

9:15 am – 1:00 pm
Capitol Hill Advocacy Visits
Pre-Registration Required
Meet in Marriott lobby (near Harry’s Pub) after Training
Following Advocacy Training, participants head to Capitol Hill to meet with their legislators. Experienced advocates are paired with newer visitors.

2:00 pm – 5:00 pm
Post-Doctoral Mock Study Sessions
Pre-Registration Required
Washington 1-3
Scholars review actual grants with faculty moderators to learn how grants are evaluated and discussed through the NIH peer review process.

3:00 pm – 4:30 pm
Research on a Napkin: Feedback on Design and Statistical Issues
Wilson AB
Meet one-on-one with Biostatistics, Epidemiology, and Research Design (BERD) experts from CTSAs around the nation during this research-related speed-dating activity.

Presented by:
Emma K.T. Benn, MPH, DrPH, Icahn School of Medicine at Mount Sinai
Felicity Enders, PhD, MPH, Mayo Clinic
Richard Holubkov, PhD, University of Utah School of Medicine
Session planned by ACTS

5:00 pm – 6:40 pm
Opening Plenary Session
Marriott Ballroom

Selected CR Forum Top Ten Clinical Research Achievement Awardee Presentations

How Environmental Exposures Protect Against Asthma
This study seeks to understand why the prevalence rate of asthma has increased dramatically in children over the last half century.
Presented by:
Donata Vercelli, MD, University of Arizona

Extended-Release Naltrexone to Prevent Opioid Relapse in Criminal Justice Offenders
This study describes the first U.S. large-scale clinical trial of a completely different pharmacological strategy in treating opioid addiction, which resulted in better retention and no overdoses.
Presented by:
Charles O’Brien, MD, PhD, University of Pennsylvania Perelman School of Medicine

Plenary Presentation
Presented by:
James Wilson, MD, PhD, Rose H. Weiss Professor and Director, Orphan Disease Center, Professor of Medicine and Pediatrics, Director, Gene Therapy Program, University of Pennsylvania Perelman School of Medicine; Chair, Scientific Advisory Board, Solid GT; Member, Scientific Advisory Board, Dimension Therapeutics; Chief Scientific Advisor, ReGenXBio

6:40 pm – 8:00 pm
Opening Reception with Poster Viewing and Awards Presentation
Exhibit Hall A

6:40 pm – 8:00 pm
Pre-Doctoral Speed Mentoring
Pre-Registration Required
Suites 8206, 8211, 8212

Download the event app for more information!
Search “Translational Science 2017” on the Apple App Store or Google Play.
THURSDAY, APRIL 20

7:00 am – 8:00 am
Continental Breakfast and Poster Viewing
Exhibit Hall A

7:00 am – 8:00 am
Pre-Doctoral Speed Mentoring
Pre-Registration Required
Suites 8206, 8211, 8212, 8218

8:00 am – 9:00 am
Plenary Session
Marriott Ballroom
Presented by:
Dan Ford, MD, MPH, Director, Johns Hopkins Institute for Clinical and Translational Research
Robert Holloway, MD, MPH, Professor of Neurology and Community and Preventive Medicine, University of Rochester Medical Center; Director, University of Rochester Clinical and Translational Science Institute’s Research Education, Training & Career Development Key Function; and Member, NeuroNEXT Executive Committee

9:15 am – 10:15 am
Concurrent Sessions

Approaches to Integrate Data Science Methods and Skills into Translational Science Training Programs
Washington 2
Learn about current biomedical data science training priority areas and initiatives to develop data science training programs for translational researchers.
Presented by:
Erica Rosemond, PhD, National Center for Advancing Translational Sciences, NIH
Justin Starren, MD, PhD, FACMI, Northwestern University Feinberg School of Medicine

Biostatistical Education to Increase Research Innovation and Diversity in Academic Medicine
Washington 5
In this panel discussion, two leaders in the field of biostatistics will share their experiences regarding the development, implementation and evaluation of methodological training programs targeted to underrepresented minorities.
Presented by:
Emilia Bagiella, PhD, Icahn School of Medicine at Mount Sinai
Melissa D. Begg, ScD, Columbia University

Innovative Products for Curriculum Design
Virginia A/B/C
This session will present two different products that can be used to design a program for clinical research trainees or incorporate tools to enhance learner engagement.
Presented by:
Susan Murphy, ScD, The University of Michigan School of Medicine
James Willig, MD, MSPH, University of Alabama at Birmingham School of Medicine
Session planned by ACTS

Regulating Research in a New Environment
Washington 6
This session provides a broad perspective on the process for changing the Common Rule, its major provisions, and how other actions by congress or the new administration, including the 21st Century Cures Act may affect the conduct of research at academic medical centers.
Presented by:
Heather Pierce, JD, MPH, Association of American Medical Colleges
P. Pearl O’Rourke, MD, Harvard Medical School
Session planned by AAMC and CR Forum

Serendipity in Science
Maryland A/B/C
Serendipity in Science showcases the careers and accomplishments of exceptional scientists through tales of success, sometimes failure and occasional luck.
Presented by:
Barry S. Collier, MD, Rockefeller University
Kevin Deane, MD, University of Colorado at Denver
Session planned by AFMR

Systematic Approaches to Mentoring
Washington 3
Explore different approaches for developing systematic mentorship programs for junior faculty and MD, PhD or MD-PhD students that have been initiated at the departmental and school level.
Presented by:
Heather Billings, MD, PhD, MSPH, Mayo Clinic College of Medicine and Science
Kenzie Cameron, PhD, MPH, FAACH, Northwestern University Feinberg School of Medicine
Anthony Windebank, MD, Mayo Clinic College of Medicine and Science
Session planned by ACTS

10:00 am – 11:15 am
Scholar Networking Meeting with Federal Training Partners
Marriott Ballroom
Trainees will have an opportunity to meet with program officials from several federal funding agencies to exchange ideas, advice and funding information about research projects and grant solicitations. Check the conference app for a list of institutions and officials in attendance!
**THURSDAY, APRIL 20 (continued)**

**10:30 am – 11:30 am**

**Concurrent Sessions**

**Biomedical Research in the New Administration**
*Washington 6*
Discuss the outlook for biomedical research in the new administration, including prospects for federal research funding and likely priorities of the new administration.

*Presented by:*
Ellie Dehoney, Research!America
Andi Fristedt, U.S. Senate Committee on Health, Education, Labor & Pensions

*Session planned by CR Forum*

**Education Administrators Networking Session**
*Washington 3*
This session provides an opportunity for non-faculty education and career development administrators to share best practices, develop solutions and mentor one another via round-table discussions on several topics.

*Facilitators:*
Rachel Bastian, University of Pennsylvania Perelman School of Medicine
Rachel Driskell, Washington University School of Medicine in St. Louis
Jeanne Dzekov McKean, Southern California Clinical and Translational Science Institute
Rachel Lamp, Washington University School of Medicine in St. Louis
Jennifer McCanry, MS, Washington University School of Medicine in St. Louis

*Session planned by ACTS*

**Engaging Stakeholders in Early Translational Research**
*Washington 5*
Explore novel strategies to engaging community members in basic and early translational research, as well as opportunities to fully integrate the public in the earliest translational phases.

*Presented by:*
Rhonda Kost, MD, The Rockefeller University Center for Clinical and Translational Science
Jonathan N. Tobin, PhD, Clinical Directors Network, Inc., Rockefeller University CTSA

*Session planned by ACTS*

**How to Write a Successful Career Development (K) Award**
*Session will run until 12:00 pm*
*Washington 2*
This interactive session will provide you with helpful strategies for writing and obtaining a mentored K award, featuring small group sessions to provide individualized feedback.

*Presented by:*
Marie Gelato, MD, PhD, Stonybrook Medical Center
Paula Gregory, PhD, Louisiana State University Health Sciences Center
Ellen W. Seely, MD, Brigham and Women’s Hospital and Harvard Medical School

*Session planned by ACTS*

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**Mythbusting: K to Independence**
*Maryland ABC*
Two leaders in career development discuss milestones, myths, and the different pathways mentored scientists can take to achieve success.

*Presented by:*
Kim Boggess, MD, University of North Carolina School of Medicine
Frederick J. Meyers, MD, MACP, University of California, Davis

*Session planned by AFMR*

**Research Training Continuum: Research in Residency**
*Washington 1*
Explore innovative ways institutions are supporting the career development of physician scientists, particularly in the transitory phase between award of an MD (or MD-PhD) degree and research independence.

*Presented by:*
Carrie Byington, MD, Texas A&M College of Medicine
Robin Lorenz, MD, PhD, University of Alabama at Birmingham School of Medicine
Kay Lund, PhD, National Institutes of Health

*Session planned by AAMC*

**Tools to Apply Novel Methods for the Design and Analysis of Clinical Trials**
*Virginia ABC*
Learn about recent major innovations in the design and analysis of clinical trials, gain an understanding for why and when one should use them, and explore software resources for facilitating their use.

*Presented by:*
David Kent, PhD, Tufts University
Kelley Kidwell, PhD, University of Michigan School of Medicine
Michael Rosenblum, PhD, Johns Hopkins University

*Session planned by ACTS*

**11:45 am – 1:00 pm**

**Pre-Doctoral Lunch**
Pre-Registration Required
Wilson

**12:00 pm – 1:00 pm**

**Post-Doctoral Speed Mentoring**
Pre-Registration Required
Marriott Ballroom

**12:00 pm – 1:00 pm**

**Ancillary Meeting: Evaluation Special Interest Group Business Meeting**
Open to all
Harding
1:00 pm – 2:00 pm

Concurrent Sessions

CR Forum Top Ten Clinical Research Achievement Awardee Presentations
Washington 6
Four of the Top Ten awardees will present their research project, highlight their findings, and discuss the implications of the project for benefiting the health of the public and for advancing translational research methods.

Presented by:
Emily Bucholz, MD, PhD, MPH, Boston Children’s Hospital
Bhakti Patel, MD, University of Chicago
Aimee Payne, MD, PhD, University of Pennsylvania
Methodius Tuuli, MD, MPH, Washington University School of Medicine in St. Louis
Session planned by CR Forum

CTSA One Health Alliance: Advancing Therapy through Translational Teams of Health Professionals
Washington 3
Gain an overview of the CTSA One Health Alliance, a collaborative and interdisciplinary approach to optimizing health that aims to advance our understanding of diseases shared by humans and animals.

Presented by:
Lisa Freeman, DVM, PhD, DACVN, Tufts University
Duncan Lascelles, BSc, BVSc, PhD, MRCVS, CertVA, DSAS(ST), DECVS, North Carolina State University
Cheryl London, DMV, PhD, Tufts University
Session planned by ACTS

Designing Successful Online Programs: Goals, Challenges, Lessons Learned
Virginia ABC
Explore different models of online course and program development and leave with practical tools and tips you can use in the development of your own online curricula.

Presented by:
Emma K.T. Benn, MPH, DrPH, Icahn School of Medicine at Mount Sinai
Nicole Masen, MSED, Northwestern University Clinical and Translational Sciences Institute
Marie K. Norman, PhD, University of Pittsburgh
Session planned by ACTS

Eliminating Disparities to Improve Health Outcomes: Case Studies in Optimal Experiences Illustrating Reduction of Science to Practice
Washington 5
This panel will present a range of promising social and behavior interventions and aims to address strategies to improve health and reduce impactful disparities.

Presented by:
Mona Fouad, MD, MPH, University of Alabama at Birmingham School of Medicine
Elecra Paskett, PhD, The Ohio State University
Barbara Segarra Vazquez, MD, DHSC, University of Puerto Rico Medical Sciences Campus
Session planned by AFMR

How to Write an F-Award
Washington 2
Explore the latest versions of the F-award mechanism and discuss tips on how to be successful.

Presented by:
Patricia J. Simpson Haidaris, PhD, University of Rochester Medical Center
Session planned by ACTS

Novel Definitions of Career Success in Clinical and Translational Research
Maryland ABC
Learn about new career pathways for individuals trained in clinical and translational research.

Presented by:
Vicki Ellingrod, Pharm.D., FCCPE, College of Pharmacy, University of Michigan
Anthony Windebank, MD, Mayo Clinic College of Medicine and Science
Session planned by ACTS

Recognizing Data Reproducibility as Critical for Translational Science
Washington 1
Discover approaches, tools, and best practices to integrate data reproducibility and rigor into translational research programs, and explore key federal policies and initiatives impacting data quality and rigor will be discussed.

Presented by:
Rebecca Davies, PhD, University of Minnesota CTSI
Michael Liebman, PhD, IPQ Analytics, Inc.
Patricia A. Valdez, PhD, National Institutes of Health
Session planned by ACTS

Download the event app for more information! Search “Translational Science 2017” on the Apple App Store or Google Play.
Deconstructing and Reconstructing the Definition of Career Success from Traditional Models
Maryland ABC
Experts in career development and mentoring will discuss pathways to a tenure-track faculty position using case examples and data.
Presented by:
Frederick J. Meyers, MD, MACP, University of California, Davis
Teresa O’Brien, PhD, University of California, San Francisco
Session planned by AFMR

Engagement in Precision Medicine and Genomics Research
Washington 5
Learn about approaches to engaging diverse communities in research, opportunities to advance the science of engagement in large-scale studies, and strategies to address barriers to engagement.
Presented by:
Elizabeth G. Cohn, PhD, RN, Columbia University Irving Institute for Clinical and Translational Research
Tuya Pai, MD, Vanderbilt University Medical Center
Session planned by ACTS

Novel Approaches to Successful Grant Writing
Washington 2
Explore strategies for teaching and learning the skill of writing NIH-style research proposals by focusing on learning and writing to rhetorical patterns and using oral feedback processes with mentors and peers to replicate how reviewers read and evaluate proposals.
Presented by:
Richard McGee, PhD, Northwestern University Feinberg School of Medicine
Session planned by ACTS

Use of Electronic Health Records in Clinical Research
Virginia ABC
Learn about the key technical, regulatory and statistical considerations to keep in mind when using electronic health record data for clinical research.
Presented by:
Paul A. Harris, PhD, Vanderbilt University
Brian J. Wells, MD, PhD, Wake Forest School of Medicine
Session planned by ACTS

Concurrent Sessions
CR Forum Top Ten Clinical Research Achievement Awardee Presentations
Washington 6
Four of the Top Ten awardees will present their research project, highlight their findings, and discuss the implications of the project for benefitting the health of the public and for advancing translational research methods.
Presented by:
Paul Fishman, MD, PhD, University of Maryland School of Medicine
Mark Genovese, MD, Stanford University
Sekar Kathiresan, MD, Massachusetts General Hospital
Nima Sharifi, MD, Cleveland Clinic
Session planned by CR Forum

4:30 pm – 5:30 pm
Ancillary Meeting: LEADS
Invite Only
Suite 8206
Ancillary Meeting: Regulatory Science and Precision Medicine
Invite Only
Coolidge
4:30 pm – 5:30 pm
Ancillary Meeting: ACTS Biostatistics, Epidemiology, and Research Design Special Interest Group Meeting
Invite Only
Harding

4:45 pm – 5:45 pm
Concurrent Distinguished Pre- and Post-Doctoral Oral Presentations
See pages 13-14 for full schedule of speakers and rooms.

4:45 pm – 5:45 pm
Integrating Clinical and Translational Research into Clinical Practice
Washington 6
Learn about performing clinical and translational research in the setting of clinical care with a focus on the digital divide between clinical researchers and clinicians, as well as the return of genetic data to the electronic medical record and its use for clinical care and research.
Presented by:
Jeanhee A. Chung, MD, Harvard Medical School, Massachusetts General Hospital
Dan Roden, MD, Vanderbilt University
Session planned by CR Forum

6:00 pm – 7:00 pm
Pre-Doctoral Speed Mentoring
Suites 8206, 8211, 8212

6:00 pm – 7:30 pm
Evening Poster Reception and Awards Presentation
Exhibit Hall A

FRIDAY, APRIL 21

7:00 am – 8:00 am
Continental Breakfast
Marriott Ballroom Foyer

7:00 am – 8:00 am
ACTS Annual Business Meeting
ACTS Members Only
Marriott Ballroom

7:00 am – 8:00 am
Ancillary Meeting: Partnership for the Advancement of Community Engaged Research (PACER) SIG
Open to all
Coolidge

8:00 am – 9:00 am
Concurrent Sessions

Advancing T3 Implementation Science through CTSAs
Washington 5
Explore the unique challenges of T3 implementation research within the context of NIH CTSAs, including the work of the CTSA Consortium Domain Task Force on Dissemination, Implementation, and Knowledge Transfer.
Presented by:
Patricia Jones, DrPH, MPH, National Center for Advancing Translational Sciences, NIH
Paul Meissner, MSPH, Montefiore Medical Center, The University Hospital for Albert Einstein College of Medicine
Enola Proctor, PhD, MSW, University of Washington St Louis Brown School
Session planned by ACTS

Community-Based Solutions to Achieving Health Equity at the Local Level
Washington 3
Gain an overview of community-engaged research, a widely used approach in which communities and researchers effectively collaborate to address and reduce health/mental health care disparities.
Presented by:
Sergio Aguilar-Gaxiola, MD, PhD, University of California, Davis
Nancy M. Bennett, MD, MS, University of Rochester School of Medicine and Dentistry
Session planned by ACTS

Enabling Entrepreneurship
Virginia ABC
Learn about a new, innovative course implemented at Mayo Clinic College of Medicine and Science for PhD students and other trainees.
Presented by:
Stephen C. Ekker, PhD, Mayo Clinic College of Medicine and Science
Session planned by ACTS

How to be an Effective Mentee
Washington 2
Learn about the importance of and approaches to effective communications and aligning expectations within mentoring relationships.
Presented by:
Emma Meagher, MD, University of Pennsylvania School of Medicine
Christine Sorkness PharmD, University of Wisconsin
Session planned by ACTS

Download the event app for more information!
Search “Translational Science 2017” on the Apple App Store or Google Play.
Schedule of Events (continued)

FRIDAY, APRIL 21 (continued)

**Key Considerations in Design and Analysis of ‘OMICS Based Studies**
Washington 1  
Explore many of the practical issues associated with the successful design and implementation of an ‘OMICS based study, and learn how to identify appropriate personnel, experimental design considerations, and data analytical challenges.  
**Presented by:**  
Daniel Gaile, PhD, Department of Biostatistics, University at Buffalo  
Heidi Spratt, PhD, Department of Preventive Medicine and Community Health, University of Texas Medical Branch at Galveston  
**Session planned by ACTS**

**9:15 am – 10:15 am**  
**Concurrent Distinguished Pre- and Post-Doctoral Oral Presentations**  
See pages 14-15 for full schedule of speakers and rooms.

**10:30 am – 11:30 am**  
**Concurrent Sessions**  
**Individual Career Development Plans for Clinical and Translational Trainees: Platforms, Implementation, and Evaluation.**  
Washington 2  
Learn how Individual Development Plans (IDPs) are implemented within CTSA Training Programs and how to evaluate their effectiveness as a career development tool.  
**Presented by:**  
Janice Gabrilove, MD, FACP, Icahn School of Medicine at Mount Sinai  
Jason E. Hawkes, MD, Rockefeller School of Medicine  
Cecilia Patino Sutton, MD, PhD, University of Southern California Keck School of Medicine  
**Session planned by ACTS**

**Innovations in Academic-Industry Partnerships**  
Virginia ABC  
Learn about pathways for successful academic-industry partnerships and potential ways to build new partnerships.  
**Presented by:**  
Aoy Mitchell, PhD, Medical College of Wisconsin  
**Session planned by AFMR**

**Partnerships to Advance Training in Translational and Regulatory Science**  
Washington 5  
This session will explore training needs, initiatives, and career pathways that integrate translational science and regulatory science, including the role for partnerships between academia, industry and government.  
**Presented by:**  
ShaAvhreé Buckman-Garner, MD, PhD, FAAP, Food and Drug Administration  
Robert J. Meyer, MD, University of Virginia  
**Session planned by ACTS**

**PCORI Grants: Evolving Engagement Policies to Improve Patient-Centered Research**  
Maryland ABC  
Explore patient-centered research from a practical and policy perspective to gain a better understanding and learn what PCORI entails, as well as policy factors important to patient-centered research.  
**Presented by:**  
Justin E. Bekelman, MD, University of Pennsylvania  
Carrie Wolinetz, PhD, Office of Science Policy, NIH  
**Session planned by AFMR**

**Precision Medicine: Challenges and Opportunities to Advance Personalized Medicine**  
Washington 3  
Learn about current advances in precision medicine and discuss its potential for impacting medicine and clinical care in the future. Attendees will also discuss the NIH All of Us initiative.  
**Presented by:**  
Eric Dishman, National Institutes of Health  
David B. Roth, MD, PhD, University of Pennsylvania Perelman School of Medicine  
**Session planned by ACTS**

**The “Why, What, and How” of Bayesian Approaches in the Analysis of Translational Data**  
Washington 1  
Gain an introduction and increased awareness of the Bayesian framework and learn to interpret and evaluate Bayesian analyses. This session covers the nomenclature of Bayesian approaches and compares results produced from a traditional analysis and an analysis in a Bayesian approach.  
**Presented by:**  
Edward J. Bedrick, PhD, The University of Arizona Health Sciences  
Nichole E. Carlson, PhD, University of Colorado, Anschutz Medical Campus  
**11:45 am – 1:00 pm**

**Closing Plenary Session**  
Marriott Ballroom 2-3  
**Presented by:**  
Robert Califf, MD, Professor of Medicine, Duke University; Former Commissioner, Food and Drug Administration; and Founder, Duke Clinical Research Institute  
Lawrence Tabak, DDS, PhD, Principal Deputy Director, National Institutes of Health
<table>
<thead>
<tr>
<th>Session</th>
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<tbody>
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<td>Parenting, Anxiety and Adaptive Function in Children With Chromosome 22q11.2 Deletion Syndrome</td>
<td>Thursday, April 20</td>
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| | Development of Novel Penicillin Binding Protein 2 (PBP2) Inhibitors as Drug Candidates for Penicillin- and Cephalosporin-resistant Neisseria gonorrhoeae | | Jonathan Turner, Medical University of South Carolina |
| | Developing the First Mouse Model of FSHD that Recapitulates Myopathy-related Phenotypes | | Carlee Giesige, The Ohio State University |
| | Hydrogen Bonding and Water Accessibility Changes Upon Expansion of PolyQ Tracts in ataxin-2 and ataxin-3 | | Jingran Wen, The University of Utah School of Medicine |
| | Using Patient-specific Induced Pluripotent Stem Cell Derived Cardiac Myocytes as a Potential Biomarker of SUDEP Risk | | Chad Frasier, University of Michigan School of Medicine |

| **Virginia** | Targeting MELK in Acute Lymphoblastic Leukemia, New Therapeutic Approach | Thursday, April 20 | Houda Alachkar, University of Southern California |
| | Dietary Fat Stimulates Growth of Pancreatic Cancer Growth Through The Cholecystokinin Receptor | | Sandeep Nadella, Georgetown University |
| | Measuring Upper Limb Performance Outside the Clinic: Comparing self-report and sensor-based methods for adults with chronic stroke | | Kimberly Waddell, Washington University in St. Louis, Institute Of Clinical and Translational Sciences |
| | Out of Pocket Costs AND Utilization of Long Acting Reversible Contraception Before And After the Affordable Care Act | | Erica Heisel, University of Michigan School of Medicine |
| | An Exploratory Study of How Physicians’ Identities Inform Clinical Practice | | Candace Chow, The University of Utah School of Medicine |
| **Washington 2** | Innovative 3D Printed Intravaginal Rings for Contraception and HIV Prevention | Thursday, April 20 | Rahima Benhabbour, University of North Carolina School of Medicine |
| | JAK Inhibition Disrupts Inflammatory Homeostasis in Human Macrophages | | Nicholas James Brady, University of Minnesota CTSI |
| | Novel Combination Therapy of DNA Methyltransferase Inhibitor Guadecitabine (SGI-110) and PARP Inhibitor Talazoparib (BMN-673) for BRCA-proficient High-grade Serous Ovarian Cancer | | Nicholas Pulliam, Indiana University |
| | Point-of-care HIV-1 Viral Load Test: A novel electrokinetic technique for simultaneous sample preparation and nucleic acid amplification | | Andrew Timothy Bender, University of Washington |
| | The Impact of Alcohol-Dysbiosis on Host Defense Against Pneumonia | | Derrick Richard Samuelson, Tulane University School of Medicine |
Concurrent Distinguished Pre-Doctoral and Post-Doctoral Oral Presentations

Thursday, April 20 | 4:45 pm - 5:45 pm (continued)

**Washington 3**

**Allergic Asthma is Associated with Elevated Sphingolipid Levels in Children**
Jennie G. Ono, Weill Cornell Graduate School of Medical Sciences

**Glycated Peptide Levels are Associated with Cognitive Decline Among Non-diabetic Older Women**
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**Rasch Modelling Improves Consensus Scoring of Crowdsourced Data**
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**Post-operative Acetaminophen Use is Associated with Reduced Risk of Acute Kidney Injury in Pediatric Cardiac Surgery Patients**
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**Neurophysiological Substrates and Developmental Sequelae of Sensory Seeking in Infants at High Risk for Autism Spectrum Disorder**
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**Washington 5**

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Sean Heffron, New York University, General Clinical Research Center

**An Estrogen Receptor α (ERα)-BMPR2-Apelin Axis Mediates 17β-Estradiol’s Protective Effects on Right Ventricular Function in Experimental Pulmonary Hypertension (PH)**
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**Galectin-3 Expression after Acute Myocardial Infarction is Associated with Early Remodeling of Infarct Region and Consequent Loss of Myocardial Function: A Clinical Outcome-Based Translational Study**
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**hnRNP K Overexpression Drives Acute Myeloid Leukemia Emergence and Progression**
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**DNA Methylation at the Mu Opioid Receptor Gene (OPRM1) Promoter Predicts Preoperative, Acute and Chronic Post-surgical Pain After Spine Fusion**
Vidya Chidambaran, Cincinnati Children’s Hospital Medical Center

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Friday, April 21 | 9:15 am - 10:15 am

**Cost-effectiveness analysis of Consolidation with Brentuximab Vedotin for High-risk Hodgkin Lymphoma Following Autologous Stem Cell Transplantation**
Scott Huntington, Yale School of Medicine

**“A Clash of Cultures”: Cervical Cancer Screening and Hispanic Males**
Bertha E. Flores, University of Texas Health Science Center San Antonio

**Prevalence, Associated Characteristics, and Diagnostic and Treatment Process Experiences of Women Seeking Emergency Department Care After Being Strangled: A Mixed Methods Study**
Michelle Patch, Johns Hopkins University School of Medicine

**The Association of Inhaled Nitric Oxide with Mortality and with Achieving 28 Day Ventilator Free Days In Children with Acute Respiratory Distress Syndrome (ARDS)**
Anoopindar Bhalla, University of Southern California

**Investigating Markers of Early Traumatic Brain Injury (iMet)-An Interim Analysis**
Tara Rhine, Cincinnati Children’s Hospital Medical Center

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**Virginia**

**A Novel Treatment Delivery of Acceptance and Commitment Therapy for Chronic Pain in an Integrated Primary Care Setting**
Kathryn E. Kanzler, University of Texas Health Science Center San Antonio

**Control of Stem Cell Behavior by Exposure to Tissue-Specific ECM**
Milos Marinkovic, University of Texas Health Science Center San Antonio

**Defining Peripheral B Cell Tolerance in Pemphigus Vulgaris**
Nina Ran, University of Pennsylvania School of Medicine

**A Pilot Study: Using Computational Fluid Dynamics to Model Physiologic Airflow Through an Ovine Tissue Engineered Tracheal Graft**
Nakesha King, The Ohio State University

**Pilot Exploration of Comparative Analysis of Over-The-Counter Hearing Devices and Dispensed Hearing Aid Using Speech-in-noise Measures**
Nicholas Reed, Johns Hopkins University School of Medicine
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Integrin-linked Kinase Facilitates Chemokine Secretion in Both Papillary Thyroid Cancer Cells and Thyroid Fibroblasts  
Lawrence Andrew Shirley, The Ohio State University

Single-cell Transcriptomics of Cortical Neurons Expressing Autism-associated Transcription Factors  
Marissa Co, University of Texas Southwestern Medical Center Dallas

The Effect of Skeletal Muscle Lipoprotein Lipase Overexpression on Energy Expenditure During Weight Loss Maintenance and Weight Regain  
David M. Presby, University of Colorado Anschutz Medical Campus

Fabrication of the First Full-Scale Human Auricular Chondrocyte Derived Ear Scaffold for Clinical Application  
Jaime Lynn Bernstein, Weill Cornell Graduate School of Medical Sciences

Receptor for Advanced Glycation End-products: Mitigating the persistent effects of particulate matter induced airway injury  
Syed Hissam Haider, New York University School of Medicine

**Washington 2**

New Role for FDA-Approved Drugs in Combating Antibiotic-Resistant Bacteria  
Sara Dann, University of Texas Medical Branch at Galveston

Reconstitution of polyfunctional TB-specific CD4+ T-cells in TB-IRIS  
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Determining Relationships between White Matter Structure and Function in Offspring at Risk for Bipolar Disorder: The Bipolar Offspring Study  
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The Effect of SNAP Participation on Clinically Diagnosed Obesity and Other Diet-related Disease  
Andrew Breck, New York University

Prescription Opioid Dependence in Western New York: Using Data Analytics to Find an Answer to the Opioid Epidemic  
Shyamashree Sinha, University at Buffalo, State University of New York

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Phenotypic Characteristics of Pediatric Non-Alcoholic Fatty Liver Disease  
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Cardiac Abnormalities Drive Exercise Intolerance in Patients with Non-Alcoholic Fatty Liver Disease  
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CR Forum Top 10 Clinical Research Achievement Awardees

1. Baricitinib in Patients with Refractory Rheumatoid Arthritis
   Mark C. Genovese
   Stanford University

2. Genetic Risk, Adherence to a Healthy Lifestyle, and Coronary Disease
   Sekar Kathiresan
   Massachusetts General Hospital

3. HSD3B1 and Resistance to Androgen-Deprivation Therapy in Prostate Cancer: A Retrospective Multicohort Study
   Nima Sharifi
   Cleveland Clinic

4. How Environmental Exposures Protect Against Asthma
   Anne I. Sperling
   University of Chicago

5. Extended-Release Naltrexone to Prevent Opioid Relapse in Criminal Justice Offenders
   Charles O’Brien
   University of Pennsylvania Perelman School of Medicine

6. Helmet Ventilation Reduces the Need for Endotracheal Intubation in ARDS
   Bhakti K. Patel
   University of Chicago

7. Life Expectancy After Myocardial Infarction, According to Hospital Performance
   Emily Marie Bucholz
   Boston Children’s Hospital

8. A Randomized Trial Comparing Skin Antiseptic Agents at Cesarean Delivery
   Methodius G. Tuuli
   Washington University School of Medicine in St. Louis

9. Re-engineering Chimeric Antigen Receptor T Cells for Targeted Therapy of Autoimmunity
   Aimee Payne
   University of Pennsylvania Perelman School of Medicine

10. The Use of Focused Ultrasound for Essential Tremor
    Paul Fishman
    University of Maryland School of Medicine

Distinguished Oral Abstracts

Basic Science/Methodology

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    The University of Utah School of Medicine
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The Ohio State University

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University of Colorado Anschutz Medical Campus

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University of Texas Medical Branch at Galveston

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University of Southern California

66 A Novel Treatment Delivery of Acceptance and Commitment Therapy for Chronic Pain in an Integrated Primary Care Setting
Kathryn E. Kanzler, Patricia Robinson, Mariana Munante, Donald McGeeary, Jennifer Potter, Bria MacIntyre, Eliot Lopez, Willie Hale, James Mintz, Dawn Veiliger
University of Texas Health Science Center San Antonio

67 Parenting, Anxiety and Adaptive Function in Children With Chromosome 22q11.2 Deletion Syndrome
Kathleen Angkustsiri, Tony J. Simon, Paul D. Hastings
University of California, Davis

68 The Effect of SNAP Participation on Clinically Diagnosed Obesity and Other Diet-related Disease
Andrew Breck
New York University

69 Measuring Upper Limb Performance Outside the Clinic: Comparing self-report and sensor-based methods for adults with chronic stroke
Kimberly Waddell, Catherine E. Lang
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

70 Out of Pocket Costs AND Utilization of Long Acting Reversible Contraception Before And After the Affordable Care Act
Erica Heisel, Giselle Kolonic, Emily Kobernick, Neil Kamdar, Vanessa Dalton
University of Michigan School of Medicine

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**Group A: Wednesday, 6:40 pm – 8:00 and Thursday, 7:00 am – 8:00**

**Basic Science/Methodology**

A1 Role of B-cell Surface TGFbeta in Systemic Lupus Erythematosus
Caroline Wallace-Fugle Bei Liu, Zhai Li
Medical University of South Carolina

A2 Neuropilin-2 is Expressed by Activated Alveolar Macrophages and Negatively Regulates Allergic Airway Inflammation
Timothy P. Moran, Robert M. Immormino, Hideki Nakano, David Peden, Donald N. Cook
University of North Carolina School of Medicine
A3 Control of Atherosclerosis Regression by LXRα S198 Phosphorylation
Elina Shrestha, Maud Voisin, Tessa J. Barrett, Hitoo Nishi, Inês Pineda-Torra, Edward A. Fisher, Michael J. Garabedian
University of Texas Health Science Center San Antonio, New York University, General Clinical Research Center

A4 MDM2 deletion in Granule Neuron Precursor Cells Affects Postnatal Cerebellar Development
Joselyn Cruz, Susan Mendyysa
Purdue University

A5 The Role of Histone Deacetylase 8 in TGF-β1-Induced Fibroblast-Myofibroblast Differentiation
Shigeki Saito, Yan Zhuang, Gilbert Morris, Joseph Lasky
Tulane University

A6 Magnetic Nanoparticles Facilitate Tracking of Dendritic Cells for Treatment of Malignant Brain Tumors
Adam Grippin, Elias Sayour, Jon Dobson, Duane A. Mitchell
University of Florida Clinical and Translational Science Institute

A7 Comparison of Liquid versus Dry Aerosol Drug Delivery in a 3D Printed Avian Trachea and Mainstream Bronchi Model
Carlos Abraham Ruvalcaba, Roger Monroy, Lisa A. Tell, Christine V. Fiorello, Jerold Last, Jean-Pierre Delplanque
University of California, Davis

A8 Development of an Angiogenic Proteoglycan Mimic to Accelerate Ischemic Diabetic Foot Ulcer Repair
Jenny Lin, Alyssa Panitch
University of California, Davis

A9 Maturation of iPS-Hepatocytes in 3D Co-culture Systems
Michael Dominick DiVito, Jason A. Wertheim
Northwestern University

A10 Subchondral Osteocyte Apoptosis and Bone Remodeling in a Model of Post Traumatic Osteoarthritis
Thomas Coughlin, Malin Lendhey, Anthony Sciarallo, Oran D. Kennedy
New York University, General Clinical Research Center

A11 Histologic Evaluation of Microvessel Elicitation in Ischemic Myocardium by Dual Growth Factor-loaded, Composite Glycosaminoglycan Hydrogels
Alexander Xu, Kaylee Shapero, Jared Geibig, Daniel Pitts, Elaine Hillas, Matthew Firpo, Robert Peattie
Tufts University

A12 Nuanced Antibody Response to Apolipoprotein A-I in Cardiovascular Disease
David Michael Henson, David Michael Henson, Robert Kline, IV, Vincent Venditto
University of Kentucky Center for Clinical and Translational Science

A13 Doxorubicin Exposure in vitro Stimulates ROS Production and Directly Suppresses Cardiac Fibroblast Proliferation
Trevi A. Mancilla, Gregory J. Aune
University of Texas Health Science Center San Antonio

A14 Soluble Adenylyl Cyclase (sAC) Regulates Melanogenesis and Melanocyte Response to UVB
Koji Ota, Dalee Zhou, Jonathan Zippin
SUNY Downstate College of Medicine

A15 Application of Elastomeric Foam Actuators to a Patient-Specific Direct Cardiac Compression Device Concept
Benjamin Mac Murray, Chaim Carmiel Futran, Robert Shepherd
Weill Cornell Graduate School of Medical Sciences

A16 Validation and Development of KDM4B Inhibitors to Target Periodontal Disease
Joy Kirkpatrick, Bethany Herbert, Keith Kirkwood, Patrick Woster
Medical University of South Carolina

A17 Boosting Doc2b Expression in the Pancreatic Beta Cell is Sufficient to Enhance Whole-Body Glucose Tolerance
Arienne Aslamy, Miwon Ahn, Eunjin Oh, Erika Olson, Ragadeepthi Tunduguru, Debbie C. Thurmond
Indiana University School of Medicine

A18 Impacts of a Long-Term Community-University Partnership on Investigator-Initiated Research at an Urban Research University
Emily Zimmerman, Chanel Bea, Alicia Aroche, Alex Krist
Virginia Commonwealth University

A19 Fetal APOL1 HR Variants May Increase Risk of Preeclampsia
Joseph Myrie, Rebecca Hjorten, Stacy Rosenblum, Soulin Haque, Masako Suzuki, Bianca Ruiz, Sandra Reznick, Cheryl Winkler, Jeffrey Kopp, Kimberly Reidy, Albert Einstein College of Medicine

A20 Multi-faceted Computational Assessment of Risk and Progression in Oligodendroglioma Uncovers Crucial Role of the Notch Pathway
Sameer H. Halani, Safora Yousafi, Jose Velazquez Vega, Fatemeh Amrollahi, Chad A. Holder, Jennifer Eschbacher, Brent Griffith, Jeffrey J. Olson, Laila M. Poisson, Lee A.D. Cooper, Daniel J. Brat
Emory University

A21 Essential Amino Acid Supplementation Improves Lipid Metabolism in Older Adults with Elevated Triglycerides
Bryce J. Marquis, Eugenia Carvalho, Nicholas Hurren, Robert R. Wolfe, Elisabeth Borshiem
University of Arkansas for Medical Sciences

A22 A Novel NLRP3 Inflammasome Inhibitor Prevents Acute Pericarditis in an Experimental Mouse Model
Adolfo Gabriele Mauro, Eleonora Mezzaroma, Juan Torrado, Salvatore Carbone, Benjamin Van Tassell, Antonio Abbate, Stefano Toldo
Virginia Commonwealth University

A23 CALHM1-Mediated ATP Release and Ciliary Beat Frequency Modulation in Airway Epithelial Cells
Alain Workman, Cecil Saunders, Bei Chen, Ryan Carey, Robert Lee, Philippe Marambaud, Claire Mitchell, Michael Tordo, Noam Cohen
University of Pennsylvania School of Medicine
A24 The Role of Platelet Factor-4 (PF4 or CXCL4) in B Cell Differentiation
Sara Blick, Craig Morrell, Sara Ture, David J. Field
Rochester Institute of Technology

A25 Microbial Populations and the Interactions that Shape Prosthetic Joint Infections
Abigail Weaver, Mark Klaassen, Nur Hasan, Rita Colwell, Joshua Shrout
University of Notre Dame

A26 Establishment of an Animal Model to Study Lactation-Associated CMV Infection: An Underrecognized Cause of Disease in Premature Infants
Elizabeth Swanson, Craig J. Bierle, Claudia Fernández-Alarcón, Jason C. Zabeli, Mark R. Schleiss
University of Minnesota CTSI

A27 Loss of EptB Decreases Systemic Inflammation During Salmonella Infection and Allows for Evasion of the Host Immune Response
Lillian F. Zhang, Fabian Rivera-Chavez, Hirotaka Hiyoshi, Andreas J. Baumler
University of California, Davis

A28 Updates to the Documentation System for R
Andrew Middleton Redd
The University of Utah School of Medicine

A29 Two-photon Intravital Fluorescence Lifetime Imaging of the Kidney
Takashi Hato, Pierre Dagher, Seth Wintre
Indiana University School of Medicine

A30 Neuroprotective Effects of Inhibition of α5β1 Integrin Following Experimental Stroke: A Dual Center Pre-clinical Study
Danielle Edwards, Biav Reber Kittani, Mhari Macrae, Justin Fraser, Christopher McCabe, Gregory J. Bix
University of Kentucky Center for Clinical and Translational Science

A31 Muscarinic Receptor M3R Signaling Prevents Efficient Myelin Repair by Human and Mouse Oligodendrocyte Progenitor Cells
University at Buffalo, State University of New York

A32 A Transgenic Retinitis Pigmentosa Zebrafish Model for Drug Discovery
Logan Ganzen, Chi Pui Pang, Mingzhi Zhang, Motokazu Tsujikawa, Yuk Fai Leung
Purdue University

A33 Validation of Covert Spatial Attention Task in Patients Undergoing Awake Brain Surgery
Matthew Tafe, Jessica Slater
Northwestern University

A34 Targeting Signaling Molecules of Neurons and Astrocytes to Inhibit Development of Seizure in a Preclinical Mouse Model of Traumatic Brain Injury
Rafael J. Veraza, Fabio Antonio Borges Vigil, Eca Bozdemir, Vladislav Bugay, MaryAnn Hobbs, Isamar Sanchez, Andres Roman, Deborah Holstein, Shane M. Sprague, Jose Cavazos, Robert Brenner, James Lechleiter, Mark Shapiro
University of Texas Health Science Center San Antonio

A35 Differential Transporter Expression in the Hippocampus Following Experimental Traumatic Brain Injury
Solomon M. Adams, Jeffrey P. Cheng, Michael Diduch, Monica Daoed, Robert S. B. Clark, Patrick Kochanek, Anthony E. Kline, Philip E. Empey
University of Pittsburgh

A36 Interleukin-4 Induced Protein 1 as a Biomarker and Treatment Option in Multiple Sclerosis
Stephanie Davis, Jeffrey Huang
Georgetown University

A37 Repeat Mammography Screening among African American Women: Qualitative application of the PEN-3 framework
Adebola Adegboyega, Jennifer Hatcher
University of Kentucky Center for Clinical and Translational Science

A38 APC regulation of Breast Cancer Therapeutic Resistance
Jeni Prosperi
Indiana University School of Medicine

A39 Increased Sensitivity of Poor-prognosis Human MLL-rearranged Acute Lymphoblastic Leukemia to Proteasome Inhibition (Bortezomib) in vitro
Jinno Magno, Jessica Shand, Liana Toia
University of Rochester Medical Center

A40 A Novel in vivo Zebrafish Model Of Hematopoietic Stem Cell-Driven Regeneration of Blood
Samima Sultana Habbasa, Mia McKinstry, Sara Payne, Christian Mosimann, Teresa Bowman
Albert Einstein College of Medicine

A41 IL-6 and PD-L1 Antibody Blockade Combination Therapy Reduces Tumor Progression in Murine Models of Pancreatic Cancer
Thomas A. Mace, Reena Shakyja, Jason Pitarresi, Zobeida Cruz-Monserrate, Teresa Zimmers, Gregory Young, Micahael Ostrowski, Gregory Lesinski
The Ohio State University

A42 Assessing the Practicality of Locomotor Fractality During Splitbelt Treadmill Walking
Joshua Liddy, Scott Duccharme, Lavi Mattingly, Michael Busa, Laura Claxton, Richard Van Emmerik, Jeffrey Haddad
Indiana University School of Medicine

A43 CBX Chromomdomain Inhibition Enhances Chemotherapy Response in Glioblastoma Multiforme
Katelyn Connelly, Emily Martin, Emily C. Dykhuizen
Indiana University School of Medicine
**A44** Antipsychotic-induced Weight Gain Arises, in Part, from Alteration of Feeding Circuitry in the Lateral Hypothalamic Area
Ryan Michael Cassidy, Hannah Savage, Yungang Lu, Xiang Yang Zhang, Qingchun Tong
University of Texas Medical School at Houston

**Biomedical Informatics/Health Informatics**

**A45** Estimating Microscopic Structures of Glomeruli in Renal Pathology
Pinaki Sarder, Rabii Yacoub, John E. Tomaszewski
University at Buffalo, State University of New York

**A46** openSESAME: A "Search Engine" for Discovering Drug-Disease Connections by Leveraging Publicly Available High-Throughput Experimental Data
Adam C. Gower, Avrum Spira, Marc E. Lenburg
Boston University

**A47** Identifying Causative Mutations in Treacher Collins Syndrome Using Iobio
Alistair N. Ward, Matt Velynder, Chase Miller, Tony Di Sera, Yi Qiao, Dave Viskochil, Gabor Marth
The University of Utah School of Medicine

**A48** Characterization of Resistant Hypertension in a Statewide Electronic Health Record-Based Database (OneFlorida)
Caitrin W. McDonough, William R. Hogan, Betsy Shenkman, Rhonda M. Cooper-DeHoff
University of Florida Clinical and Translational Science Institute

**A49** The Use of Multivariate Pattern Analysis to Develop and Test an Objective Diagnostic Clinical Test for Binge Eating Disorder in the Context of Obesity
Eunice Chen, Ingrid Olson, David V. Smith, Thomas Olin, Michael McCloskey, Jason Chein, Michael Edwards, Zoran Obradovic
Temple University

**A50** Semantic Characterization of Clinical Trial Descriptions from ClinicalTrials.gov and Patient Notes from MIMIC-III
Jianyin Shao, Ram Gouripeddi, Julio C. Facelli
The University of Utah School of Medicine

**A51** Immune Stress Biomarkers Correlate to Violence and Internalization of Violence in African American Young Adults
Latifa Jackson, Max Shestov, Forough Saadatmand, Joseph Wright
Georgetown - Howard Universities

**A52** Two EMR Query Strategies to Assess Prevalence of Adrenal Incidentaloma
Michio Taya, Viktornda Paroder, Linda Haramati, Eran Bellin
Albert Einstein College of Medicine

**A53** High Throughput Phenotyping and the Increased Risk of OSA in Rosacea Patients
Peter Elkin, Sarah Mullin, Sanjay Sethi, Shyamashree Sinha, Animesh Sinha
University at Buffalo, State University of New York

**A54** Streamlining Study Design and Statistical Analysis for Quality Improvement and Research Reproducibility
Ram Gouripeddi, Mollie Cummins, Randy Madsen, Bernie LaSalle, Andrew Middleton Reddi, Angela Paige Presson, Xiangyang Ye, Julio C. Facelli, Tom Green, Steve Harper
The University of Utah School of Medicine

**A55** Identifying Strangulated Small Bowel Obstruction with Machine Learning
Samuel David Zetumer, Hobart Harris
University of California, San Francisco

**A56** Big Data Approaches to Defining HIV Transmission Dynamics Among HIV-infected Individuals in the Mid-Atlantic United States
Georgetown University

**A57** HOME Cell 2.0. Extending i2b2 to Support Community Health Outcome Monitoring and Evaluation via Web-accessible Software
William G. Adams, Michael Mendis, Shibly Thomas, David Center, Sara Curran
Boston University

**A58** BMM Forest: A random forest method for modeling clustered and longitudinal binary outcomes
Jaime Lynn Speiser, Bethany J. Wolf, Dongjun Chung, Constantine J. Karvellas, David G. Koch, Valerie L. Durkalski
Medical University of South Carolina

**A59** Citation Network Towards Faculty Development Inside and Outside of CTSAs
Solomon Abiola, Kristen Bush
University of Rochester Medical Center

**A60** A Scientometric Analysis of CTSA Collaboration and Impact
Kristi Holmes, Ehsan Mohammadi, Karen Gutzman, Pamela Shaw, Donald Lloyd-Jones
Northwestern University

**A61** Addressing African American Glaucoma through Genetics and Electronic Health Records
Jessica Cooke Bailey, Stephanie A. Hagstrom
Case Western Reserve University

**A62** The Design of a Patient-Centered Personal Health Record with Patients as Co-Designers
Arlene Chung, Haiwei Chen, Grace Shin, Ketan Mane, Hye-Chung Kim
Indiana University School of Medicine

**A63** Optimizing Atlas Composition for Automated Segmentation of the Hippocampus in Temporal Lobe Epilepsy
Peter Nogueira Hadar, Carlos Coto, Lauren Callans, Joel M. Stein, Sandhitasu R. Das, Paul A. Yushkevich, Kathryn A. Davis
University of Pennsylvania School of Medicine
A64 Utilizing Digital Pathology Informatics Algorithms to Improve Diffuse large B-Cell Lymphoma Subtyping AND Prognostic Assessment
Jordan Goldstein, Christopher Flowers, Lee Cooper, Jacob Jordan
Emory University

A65 MyResearchHome@Duke– Launch and Adoption of a Portal for the Research Community
Rebecca Namenek Brouwer, Rebecca Moen, Iain Sanderson, Ebony Boulware, Johanna O’Dell, Kellie Morris Browning
Duke University

A66 Leveraging CTSA Informatics Capacity to Expand Global Health Engagement and Research Capacity in Latin America and the Pacific
Timothy De Ver Dye, Thomas Fogg, Margaret Demment, José Pérez-Ramos, Scott McIntosh, Deborah Ossip, Angela Sy, Carmen Velez Vega, Karen Peters, Haq Nawaz
University of Rochester Medical Center

A67 Understanding Quality of Life Transitions for Women: Assessing the Impact of EPIC Decision Support Tools to Address Untreated Menopausal Symptoms on Women’s Quality of Life and Provider Workflow
Margaret Demment, Ivelisse Rivera, Morgan Pratte, Miriam Weber, Chris Morley, Tim Dye
University of Rochester Medical Center

Clinical Epidemiology

A68 Evaluating the Validity and Utility of Surrogate Endpoints in Clinical Trials of Chronic Kidney Disease (CKD)
Jian Ying, Andrew Redd, Tom Greene
The University of Utah School of Medicine

A69 Optimal study design for Diagnostic Accuracy Studies: Differential Verification Versus Partial Verification
Yizhe Xu Joseph B. Stanford, Kristina Allen-Brady, Nan Hu
The University of Utah School of Medicine

A70 Among Heart Failure Patients, Cannabis Use is an Independent Predictor of Hospitalization and Discharge Against Medical Advice: Data from the 2012 Nationwide Emergency Department Sample (NEDS)
Adelyinka C. Adejumo, Samson Alliu, Nnaemeka Onyeakusi, Tokunbo Opeyemi Ajayi, Adegbala Oluwole Muyiwa, Akintunde Akinjero, Kelechi Adejumo, Edgar Lichstein
University of Massachusetts, Lowell

A71 Limb Jerking during sleep is associated with an Increased Prevalence of heart rhythm disorders.
Anwar A. Chahal, Sean M. Caples, Peter A. Brady, Virend K. Somers, Jian Xie
Mayo Clinic

A72 In-Vivo Estimation of Segmental and Regional Left Ventricular Mass using Cardiovascular Magnetic Resonance Imaging
National Institutes of Health

A73 Posttraumatic Stress Disorder associated with Hurricane Katrina Predicts Cardiovascular Disease Events among Elderly Adults
Zachary LENANE, Erin Peacock, Marie Krousel-Wood
Tulane University School of Medicine

A74 Modifiable Risk Factors versus Age on Developing High Predicted Cardiovascular Disease Risk in African Americans
The University of Utah School of Medicine

A75 Validation of Discharge Diagnosis Codes to Identify Hospitalizations for Serious Infections in the Tennessee Medicaid Population: Preliminary Findings
Andrew D. Wiese, Marie Griffin, Edward F. Mitchell Jr., Carlos Grijalva
Vanderbilt University

A76 A Confounder Assessment of Patient Frailty in the Relationship between Antidiabetic Medication and Heart Failure
Caroline Presley, Marie Griffin, Jea Young Min, Robert Greevy, Christianne Roumie
Vanderbilt University

A77 Risk Factors Associated with a Recent Change in Mole(s) Size, Shape, or Color among American Academy of Dermatology SPOTme® Program Participants (2009-2010)
Derek Beaulieu, Dominique Michaud, Jean-Phillip Okhovat, Shimon Shaykevich, Allan Halpern, Hensin Tsao, Alan Geller
Tufts University

A78 Epidemiologic Analyses of Uterine Fibroid Characteristics
Michael Bray, Todd Edwards, Digna Velez-Edwards
Vanderbilt University

A79 Racial Differences in Leukemia Prognosis: New Epidemiologic Analysis
Shuangge Ma, Yinjun Zhao, Yu Wang
Yale School of Medicine

A80 Before Hospice: Symptom Burden, Dementia, and Social Participation in the Final Years
Halima Amjad, David Roth, Jennifer Wolff, Esther Oh, Quincy Samus
Johns Hopkins University School of Medicine

A81 Acute Brain Dysfunction and Analgesedation Practices among Patients Requiring Mechanical Ventilation in the Emergency Department: A Cohort Study
Robert John Stephens, Brian T. Wessman, Christopher Palmer, Brian W. Roberts, Brian M. Fuller
Washington University in St. Louis, Institute Of Clinical and Translational Sciences
A82 Subjective Cognitive Complaints in Mild Traumatic Brain Injury and 6-Month Return to Work Prediction: A TRACK-TBI Study
University of California, San Francisco

A83 Sedation and Shivering Practices United States And European Centers Treating Patients With Therapeutic Temperature Management After Cardiac
Teresa May, David, Richard Tufts University

A84 Association of Medical and Psychosocial Risk Factors With Engagement in Prenatal Home Visiting
Kelly M. Bower, Deborah Gross, Margaret Ensminger, Jana Goins, Phyllis Sharps
Johns Hopkins University

A86 Risk Factors for Incidence of Trachomatosus Scarring in a Cohort of Women in Konwa, Tanzania
Rabia Karahi, Meraf Wolle, Harran Mkocha, Beatriz Munoz, West Sheila
Johns Hopkins University School of Medicine

A87 Childhood Obesity: A profile of measures of executive functions, emotional processing and inflammation
Mary S. Rodriguez-Rabassa, PsyD, Kaumudi Joshipura Jinraj, Maribel Campos Rivera, Vasiliki Michopoulos Yasuhiro Yamamura,
University of Puerto Rico-Medical Sciences Campus

A88 Pharmacogenomic Determinants in Caribbean Hispanics of Clopidogrel Failure in Acute Coronary Syndrome
Kyle Melin, Jorge Duconge, Dagmar F. Hernandez Suarez, University of Puerto Rico-Medical Sciences Campus

A89 Prevalence and Management of Chronic Pain Syndromes During Pregnancy
Shona Ray-Griffith, Bethany Morrison, Pedro Delgado, Everett Magann, Michael Mancino, Zachary Stowe
University of Arkansas Translational Research Institute

A90 Recovery of Enteric Bacterial Pathogens from Samples Found Positive by Culture Independent Diagnostic Techniques. A Retrospective Cohort Study from Tennessee Department of Health
Aamer Imdad, Fiona Retzer, Linda S. Thomas, Marcy McMillian, Katie Garman, Peter Rebeiro, John Dunn, Amy Woron
Vanderbilt University

A91 Phenotype and Genotype in Surviving Relatives After Sudden Death in the Young
Gregory Webster, Rachael S Olson, Zachary J. Schoppen, Nicholas Giancola, Alfred L. George, Jr.
Northwestern University

A92 Factors Associated with Unintended Pregnancy in Cancer Survivors After Cancer
Lisa M. Shandley, Lauren M. Daniels, Jessica B. Spencer, Ann C. Martens, Penelope P. Howards
Emory University

Clinical Trial

A93 Vascular Topology Analysis of Photoacoustic Tomography for Prostate Cancer Biopsy Target Identification
Brittani Bungart, Lu Lan, Pu Wang, Liang Cheng, Timothy Masterson, Murat Dundar, Ji-Xin Cheng
Purdue University

A94 Ventriculo-arterial Coupling and Left Ventricular Mechanical Work in Systolic and Diastolic Heart Failure
Lea Buckley, Justin Canada, Salvatore Carbone, Cory Trankle, Michele Mattia Viscusi, Jessica Regan, Dave Dixon, Nayef Abouzaki, Sanah Christopher, Hayley Billingsley, Dinesh Kadaraya, Ross Arena, Antonio Abbate, Benjamin Van Tassell
Virginia Commonwealth University

A95 Dose-dependent Nature of Cocaine Infusions on Cardiovascular Hemodynamics
Salvatore Carbone, Benjamin Van Tassell, Antonio Abbate, Justin Canada, Lea F. Buckley, III, Sade Johns, Dinesh Kadaraya, F. Gerard Moeller
Virginia Commonwealth University

A96 Coronary Artery Calcification on Non-gated CT Scan Predicts Mortality and Acute Myocardial Infarction After Sepsis
Vedant Arun Gupta, Matthew Sousa, Rahul Annabathula, Steve Leung, Vincent L. Sorrell
University of Kentucky Center for Clinical and Translational Science

A97 Recruitment to Community-Engaged Research at Penn State University
Eugene Lengerich, Neai Thomas, Raymond Hohl, Betsy Aumiller, Oralia Dominic, Lawrence I. Sinoway
Pennsylvania State University Clinical and Translational Science Institute

A98 Effects of Chronic Viral Infection on the Immune Response to Zoster Vaccination
Bisi Jegede, Ariene M. Hurley, Brad Rosenberg, Charles Rice
RocketFeller University

A99 The effects of Fecal Microbiota Transplantation on the Gut Microbiota in Subjects with Clostridium difficile Infection
Amy Elizabeth Langdon Christopher Bulow, Kim Reske, Sherry Sun, Tiffany Hink, Courtney Jones, Carey-Ann D. Burnham, Erik R. Dubberke, Gautam Dantas
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A100 Engraftment and Gene Expression of an HIV Resistant Immune System in a Phase I Trial of an HIV Stem Cell Gene Therapy Strategy
Joseph Anderson, Kyle Hendrix, Julie Beegle, Jan A. Nolta, Mehrdad Abedi
University of California, Davis
A101 **Analysis of Racial Disparity in the Whole Blood and Plasma of Healthy Volunteers Using Rotational Thromboelastometry**
Maissaa Janbain, Anita Madison, Cindy Leissinger
Tulane University

A102 **Responsive Deep Brain Stimulation for Medically Refractory Freezing of Gait in Parkinson’s Disease**
Rene Molina, Enrico Opri, Kristen Sowalsky, Jaimie Roper, Chris Hass, Kelly Foote, Michael Okun, Aysegul Gunduz
University of Florida Clinical and Translational Science Institute

A103 **Pharmacokinetic Prediction of Paclitaxel-Induced Peripheral Neuropathy**
Daniel L. Hertz, Kelley M. Kidwell, Kiran Vangipuram, Duxin Sun, N. Lynn Henry
University of Michigan

A104 **Oral Cancer Screening in Remote Low-Resource Environment**
Petra Wilder-Smith, Petra Wilder-Smith, Andrew Emon Heidari, Anne Vu Tran, Jessica Ho, Dan Phi Ho, Zhongping Chen, Thair Takesh
University of California, Irvine

A105 **The Effect of Family History, Alcohol Expectancies, and Sex Differences on Hangover Symptoms Following Intravenous Alcohol Self-Administration in Non-Dependent Drinkers**
Corbin Daniel Ester, Bethany Stangl, Aruna Gogineni, Lauren Blau, Vatsalya Vatsalya, Vijay Ramchandani
National Institutes of Health

A106 **Association of Chronic Stress with Alcohol Seeking and Health Behaviors**
Courtney Vaughan, Bethany Stangl, Rajita Sinha, Vijay Ramchandani
National Institutes of Health

A107 **HPA Axis Predictors of Cue-induced Intravenous Alcohol Self-Administration in Non-dependent Drinkers**
Honoreé White Brewton, Bethany L. Stangl, Laura E. Kwako, Rajita Sinha, Vijay Ramchandani
National Institutes of Health

A108 **Strategy to Determine if Blocking the Orexin System Enhance Sleep’s Benefit o Therapeutic Exposure for PTSD**
Ihori Kobayashi, Thomas Meliman
Howard University

A109 **Parent-directed Nutrition Intervention in Promoting Healthy Eating Among Parents with Low-SES Toddlers: A Randomized Controlled Trial**
Danielle Elise LoRe, Christy Leung, Dana Suskind
University of Chicago

A110 **Pilot Study: Implementing Brief Dialectical Behavior Therapy (DBT-A) group skills training in a public and alternative high school setting**
Tamika Zapolski, Matthew C. Aalsma, Michelle Salyers, Dennis Watson
Indiana University School of Medicine

A111 **Generalizability of Findings to a Rheumatoid Arthritis Population for a Phase 1b Trial Assessing an Over-the-Counter Dietary Supplement**
Chelsea Alfafara, Janel DeSalvo, Mia McCallum, Laura L. Hopkins, Meghan B. Strom, Eric M. Ruderman, Thaddeus W. Pace, Janet Funk, Dale Levinsky, Dean Bilheimer
The University of Arizona College of Medicine-Tucson

**Commercialization, Entrepreneurship, Regulatory Science**

A112 **Opportunities and Challenges for Precision Medicine and Biomarkers: A Regulatory Science Case Study**
Steven Murdy, Scott J. Steele, Joan E. Adamo
Rochester Institute of Technology

A113 **Development of a Database of Key Performance Indicators for Early-Stage Ventures**
Dana Watt, Emre Toker
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

**Digital Health & Social Media**

A114 **Mobile Enhancement of Motivation in Schizophrenia: A Pilot Trial of a Personalized Text Message Intervention for Motivation Deficits**
Lauren Luther, Bryan P. McCormick, Christopher C. Lapish, Michelle P. Salyers
Indiana University School of Medicine

A115 **A Preliminary Experience of Leveraging Social Networking Sites for an Autoimmune Hepatitis Research Study**
Craig Lammert, Rachel Fogel
Indiana University School of Medicine

A116 **eResearch Suite: A comprehensive platform for electronic consent and data collection**
Melissa J. Mueller, Jason Kadrmas
University of Minnesota CTSI

A117 **Television Viewing: Associations with Eating Behavior and Cravings in Healthy, Non-Obese Young Adults**
Amanda E. Staiano, Corby K. Martin, Jennifer C. Rood, Peter T. Katzmarzyk
Tulane University School of Medicine

A118 **mZAP (Zonas, Accion y Proteccion): Empowering Communities with Mobile Strategies for Mosquito-borne Disease Control in Tropical Environments**
Jose G. Perez-Ramos, Scott McIntosh, Carmen M. Velez Vega, Emily S. Barrett, Timothy De Ver Dye
University of Rochester Medical Center

**Education/Mentoring/Professional Development**

A119 **Clinical Research Management and Regulatory Compliance: A Graduate Distance Learning Model**
Alberto M. Carrera, Lizbelle De Jesús-Ojeda, Estela Estape, Lourdes E. Soto de Laurido
University of Puerto Rico-Medical Sciences Campus
A120 A New Framework for Stakeholder Engagement in Early Stage Translational Science
Amy LeClair, Thomas Concannon, Virginia Kotzias, Allison Cole, Simona Kwon, Alexandra Lightfoot
Tufts University

A121 Mentor Training for KL2 Scholars Through Vertical Integration
Angela Merrifield, Michelle Lamere, Kelvin Lim, Megan Larson, David H. Ingbar
University of Minnesota CTSI

A122 Competency Indices for Clinical Research Professionals
Carlton Hornung, Carolyn Thomas Jones, Terri Hinkley, Vicki Ellingrod, Nancy Calvin-Naylor
Consortium of Academic Programs in Clinical Research

A123 Pilot Test of a Survey to Assess Dental and Dental Hygiene Student Knowledge, Perceptions, and Clinical Practices Regarding Human Papillomavirus Related Oropharyngeal Cancer
Deanna Lee Kepka, Holdunn Rutkoski, Brynn Fowler, Ryan Mooney, Lisa Pappas, Barbara Dixon, Lilliam Pinzon, James Winkler
The University of Utah School of Medicine

A124 Leading Diverse and Emerging Scientists to Success (LEADS)
Doris Rubio, Marie Norman, Todd Seto, Alexander Quarshie, Magda Shaheen, Stephanie Bailey, George Perry, Lourdes Soto
University of Pittsburgh

A125 Science Immersion Program: Building Regional Pipelines
Emily Traw, Ginne Meyers, Michael Fleming, H. William Schnaper, Paula Carney
Northwestern University

A126 Integrating Epidemiology and Biostatistics Teaching Using the Case Method
Jessica K. Paulus, Angie Rodday, Farzad Noubary
Tufts University

A127 Developing and Enhancing Mentoring Skills in Mid-Career Academic Faculty
Keith Argenbright, Amy Mackenroth
University of Texas Southwestern Medical Center Dallas

A128 Research Design and Analysis Methods Program (RAMP) Mentors provide a novel approach to mentoring at NUCATS
Leah Welty, Laura Rasmussen-Torvik, Keith A. Herzog, Lauren Daniels, Emily Traw, Richard Pope
Northwestern University

A129 Competency-based Training Program for Research Professionals
Megan Hoffman, Jennifer Maas, Lisa Johnson
University of Minnesota CTSI

A130 Improving Evidence Synthesis: Partnering with the Center for Clinical & Translational Science to Build a Systematic Review Core
Melissa L. Rethlefsen, Mellanye Lackey, Michelle Flander, Mary McFarland
The University of Utah School of Medicine

A131 Enhancing the Clinical and Translational Enterprise through Research Staff Development
Stephanie A. Freel, Miranda West, Denise Snyder
Duke University

A132 Best Practices for Social and Behavioral Research: A New Course to Address Good Clinical Practice and Preliminary Course Evaluation
Susan Lynn Murphy, Susan Lynn Murphy, Christy Byks-Jazayeri, Brenda Eakin, Jordan Hahn, Brandon Lynn, Elias M. Samuels, Fanny Ennever, Sarah Peyre, Margarita L. Dubocovich, Wajeeh Bajwa
University of Michigan School of Medicine

A133 Research Participant 101: What you need to know before joining a research study
Victoria Straughn, Erin Haynes, Emma Jones, Jacqueline Knapke
University of Cincinnati

A134 Objectively Assessing Student Learning And Effectiveness of an Introductory Educational Program in Clinical and Translational Research
Elias M. Samuels, Thomas E. Perorazio, Brenda Eakin, Ellen Champagne, Marilyn Lantz
University of Michigan School of Medicine

A135 Emotional Dysfunction and Stigma: Its effects on HIV-associated neurocognitive disorders (HAND)
Michell R. Aponte, Maribella González-Viruet, Valerie Wojna
University of Puerto Rico-Medical Sciences Campus

A136 Enhancing KL2 Scholar Poster Communication Skills for Lay Audiences Using Community Judges
Michelle Lamere, Angela Merrifield, Deborah Hendricks, Megan Hoffman, Megan Larson, Sandra Wells, David H. Ingbar
University of Minnesota CTSI

A137 Silicone Renal Tumor Models - The Validation of a Surgical Training Tool
Steven Monda, Jonathan R. Weese, Barrett G. Anderson, Ramakrishna Venkatesh, Baisong Cheng, Robert S. Figenshau
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

Ethics

A138 Family Preparedness for Transitions in Care of Critically Ill Children
Daniel Webb Markwalter, Madhumita A. Murphy, Jessica M. Turnbull, Joseph B. Fanning
Vanderbilt University
A139 Empirical Assessment of a Theatrical Performance on Attitudes and Behavior Intentions Toward Research: The Informed Consent Play
Erin Rothwell, Gretchen Case, Sydney Cheek-O’Donnell, Bob Wong, Erin Johnson, Trent Matheson, Alena Wilson, Nicole R. Robinson, Jared Rawlings, Brooke Horejsi, Jeffrey R. Botkin, Carrie L. Byington
The University of Utah School of Medicine

A140 The Potential Influence of Indoor Tanning Industry Funding on Publication Conclusions Relating to UV exposure and Skin Cancer
Ashley Elizabeth Fatzone, Alexandra Junn, Mary-Margaret Chren, Eleni Linos
University of California, San Francisco

A141 "Understandable to the subject"- Plain Language IRB Informed Consents
Tina Moore, Laura P. James, Jennifer Holland, Edith Paal, Kristie Hadden
University of Arkansas Translational Research Institute

A142 Satisfaction & Perceptions of Research Participants in Clinical and Translational Studies
Jane A. Otado, John Kwagyan, Debra Ordor, Sarah Vittone, Priscilla Adler
Howard University

Mechanistic Basic to Clinical

A143 Detecting Cardiometabolic Disease Through Breath Analysis: A Metabolomic Approach
Ahsan Choudary, Andrew C. Bishop, Biswapiya Misra, Mark Libardoni, Kenneth Lange, John Bernal, Mark Nijland, Cun Li, Peter W. Nathanielisz, Michael Olivier, Laura A. Cox, University of Texas Health Science Center San Antonio

A144 Pathways Controlling Response to Immune Checkpoint Inhibitors in Non-Small Cell Lung Cancer
Bonnie Lizbeth Bullock, Amber Johnson, Jeff W. Kwak, Howard Li, Joanna Poczobutt, Stephen Malkoski, Mary Weiser-Evans, Eric Clambey, Raphaeli Nemenoff
University of Colorado at Denver

A145 Endogenous Reverse Transcriptase (LINE-1) in Human Platelets Regulates Cell Morphology and Protein Synthetic Events
Hansjorg Schwertz, Jesse W. Rowley, Larry W. Kraiss, John V. Moran, Robert A. Campbell, Guy A. Zimmerman, Andrew S. Weyrich, Matthew Thomas Rondina, Gerald G. Schumann, Ulrike Thorack
The University of Utah School of Medicine

A146 The Role of ER Calcium Release in Neurodegeneration
Nicholas Karagas, Ching-On Wong, Steven Gregory, Yufang Chao, Kartik Venkatachaliam
University of Texas Medical School at Houston

A147 Enumeration of Circulating Tumor Cells for Monitoring Cancer Treatment Response
Jose Ignacio Varillas, Jinling Zhang, Weian Sheng, Kangfu Chen, Isis Barnes, Thomas George, Chen Liu, Hugh Fan
University of Florida Clinical and Translational Science Institute

A148 Perception- and Behavior-related Attention Systems Distinguished by Phase Amplitude Coupling and High-gamma Power
Ravi Varkiki Chacko, Kenny Kim, Kate Jung, Gordon Shulman, Maurizio Corbetta, Eric Leuthardt
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A149 Clinical Determinants of Clopidogrel Responsiveness in a Heterogeneous Cohort of Caribbean Hispanics
Dagmar Fredy Hernandez Suarez, Kyle Melin, Angel Lopez-Candales, Jorge Duconge
University of Puerto Rico School of Medicine

A150 Metabolite and Biomarker Predictors of WTC-Lung Injury: an Integrated Multiplatform Pilot Analysis
George Crawley, Sophia Kwon, Syed Hissam Haider, Liqun Zhang, Rachel Lam, Daniel Kim, Mengling Liu, David Prezant, Anna Nalan
New York University, General Clinical Research Center

A151 Development of a Clinically Relevant Rabbit Surgical Model for Investigation of the Host Response to Polypropylene Mesh for Pelvic Organ Prolapse
Aimon Iftikhar, Bryan Brown
University of Pittsburgh

A152 Steroid Therapy Limits Stem Cell Activation Required to Enact Mucosal Healing in Inflammatory Bowel Disease
Evan Brady Lynch, Tatiana Goretzky, Emily Bradford, Tianyan Gao, Terrence Barrett
University of Kentucky Center for Clinical and Translational Science

A153 Lipoxin A4 in Patients with Different Types Of Gastrointestinal Neoplasms
Wojciech Bielowski, Katarzyna Dolegowska, Natalia Marczuk, Anna Descur, Anna Madej-Michniewicz, Barbara Dolegowska, Teresa Starzynska
University of Zielona Gora

A154 The Impact of Right-Hemisphere Stroke on Spatial Cognition: Illustrative Cases from a Larger Study in Progress
Anna Greenwald, Elissa Newport, Barbara Landau, Alexander Dramerick
Georgetown University

A155 B cell Burden and Function: An Immunological Basis of Multiple Sclerosis Severity
Kiel Telesford, Trm Vartanian
Weill Cornell Graduate School of Medical Sciences

A156 The Effects of Autoimmune Inflammation on Proliferation, Differentiation, and Androgen Receptor Signaling in Adult Prostate Stem Cells
Paula Cooper, Hsing-Hui Wang, Meaghan Braman, Hristos Kaimakiotis, Bennett Elsey, Scott Crist, Liang Cheng, Timothy Ratliff
Purdue University

A157 Deconstructing the Peptide Specificity of TCR Recognition
Timothy P. Riley, Juan Mendoza, K.C. Garcia, Brian M. Baker
University of Notre Dame
A158 Genetic variation and Altered Virulence Associated with Loss of Agr Quorum-sensing Functionality in Patients with Staphylococcus aureus bacteremia
Deena Rose Altman, Mitchell Sullivan, Kieran Chacko, Theodore Pak, Divya Balasubramanian, William Sause, Krishan Kumar, Robert Selara, Gintaras Deikus, Oliver Attie, Hannah Rose, Martha Lewis, Yi Li, Ali Bashir, Andrew Kasarskis, Eric Schadt, Victor Torres, Bo Shopsin, Harm Ioann School of Medicine at Mount Sinai

A159 Investigating the Correlation Between Rheumatoid Arthritis and Prevotella copri
Rachel Telles, Eric Porges, Ron Cohen, Adam Woods, Nicole Rachel Nissim, Andrew O’Shea, Lindsey Richards, During an N-Back Working Memory Task in Older Adults

A160 Mixed Communities of Mucoid and Non-mucoid Pseudomonas aeruginosa Exhibit Enhanced Resistance to Host Antimicrobials
Sankaip Malhotra, Dominique H. Limoli, Anthony English, Daniel J. Wozniak
The Ohio State University

A161 Discordant Early Immune Responses Distinguish TB-IRIS and Death in HIV/TB Co-infection
Shruthi Ravimohan, Neo Tamuha, Kebatshabile Nfanyana, Andrew P. Steenhoff, Robert Gross, Drew Weissman, Gregory P. Bisson
University of Pennsylvania School of Medicine

A162 Association between CYP450 Polymorphisms and the use of Complementary Medicine among Patients with Drug-resistant Epilepsy in Puerto Rico
Bianca A. Torres-Hernández, Miriam E. Ríos Motta, Adrián Llerena, Jorge Duconge
University of Puerto Rico-Medical Sciences Campus

A163 White Matter Microstructure in the Default Mode Network Mediates the Effects of Aging, Alzheimer’s, and Cerebrovascular Pathology on Executive Function
Christopher A. Brown, Frederick A. Schmitt, Charles D. Smith, Brian T. Gold
University of Kentucky Center for Clinical and Translational Science

A164 Developing Standards in Clinical Language fMRI use in Epilepsy Surgical Planning
Christopher Benjamin, Christopher Benjamin, Alexa Li, R. Todd Constable, Rafeed Alkawadri, Stephan Bickel, Christoph Helmstaedter, William Zucconi, Richard Bronen, Jurriaan M. Peters, David Reutens, Dennis D. Spencer, Lawrence J. Hirsch
Yale School of Medicine

A165 Striatal Cholinergic Neurons in Cervical Dystonia
Karim Mente, Nancy Edwards, Drew Pratt, Diego Iacono, Demello Urbano, Abhik Ray-Chaudhury, Mark Hallett
National Institutes of Health

A166 Bilateral Frontal tDCS Reduces DLPFC BOLD Activation during an N-Back Working Memory Task in Older Adults
Nicole Rachel Nissim, Andrew O’Shea, Lindsey Richards, Rachel Telles, Eric Porges, Ron Cohen, Adamn Woods
University of Florida Clinical and Translational Science Institute

A167 NGF and TNF-α contribute to Oral Cancer Pain by Regulating Pro-inflammatory Cytokines
Yi Ye, Jihwan Kim, Brian L. Schmidt, Donna G. Albertson, Bradley E. Aouizerat
New York University

A168 A siRNA Approach for Targeting Immunosuppressive IDO1 in Pediatric Diffuse Intrinsic Pontine Glioma
Alicia C. Lenzen, Derek Wainwright, Alexander Stegh, Rishi Lulla, Rintaro Hashizume, Matthew Genet, Kristen Lauing, Lijie Zhai
Northwestern University

A169 Oxidative Phosphorylation: A Targetable Metabolic Strategy Utilized by a Subset of Melanoma Brain Metastases
Grant M. Fischer, Vashisht G. Yennu-Nanda, Michael T. Tetzlaff, Courtney Hudgens, Wanleng Deng, Barbara Knighton, Michael A. Davies
University of Texas MD Anderson Cancer Center

A170 Determining Risk of Metastasis and Need for Adjuvant Chemotherapy for Retinoblastomas with High Risk Histologic Features Using Gene Expression Profiling Methods
Jamie Story, Hans Grossniklaus, Pia Mendoza
Emory University

A171 PBX1 mRNA expression is a prognostic biomarker of and clinical indicator by RT-qPCR and RNAScope® in situ hybridization in neuroblastoma
Nilay Shah, Julia Selich-Anderson
The Ohio State University

A172 Gene Therapy for Bone Marrow Radioprotection
William Harvey Everett, Calvin Stephens, Dinesh Thotala, David T. Curiel
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A173 Human Induced Pluripotent Stem Cells for Modeling Disease
Colin Maguire, Desiree Nicholes, Martin Tristani-Firouz, Alex Scheglovitov, Matthew Rondina
The University of Utah School of Medicine

A174 Gold Nanoparticles Enhance Radiation Effects in Pancreatic Cancer
Maureen Aliru, Sunil Krishnan
University of Texas MD Anderson Cancer Center

A175 MEOX2 regulation of fetal endothelial progenitor cell function
Cassandra Rebekah Gohn, Laura S. Haneline, Emily K. Blue, BreAnn M. Sheehan, Kaela M. Varberg
Indiana University School of Medicine

A176 Glutathione Antioxidant Pathway Activity and Reserve Determine Toxicity and Specificity of the Biliary Toxin Biliatresone in Zebrafish
Xiao Zhao, Dylan M. Marchione, Kevin Gillespie, Rebecca G. Wells, Ian Blair, Michael Pack
University of Pennsylvania School of Medicine
A177 Alcohol Reduces the Ability to Regulate Emotion when Exposed to Evocative Partner Stimuli in Individuals with a History of Intimate Partner Violence
Brandi Fink, Eric D. Claus, James F. Cavanagh, Derek A. Hamilton, Sarah Salway
University of New Mexico Clinical and Translational Science Center

A178 Understanding Epicardial Fat Biology by Imaging
Jadranka Stojanovska, Thomas Chenevert, Alex Tsodikov, Carey Lumeng, Charles Burant
University of Michigan School of Medicine

A179 Implanted Multi-joint Functional Electrical Stimulation Assistance Improves Walking Efficiency After Stroke: A Case Report
Nathaniel Makowski, Rudi Kobetic, Lisa Lombardo, Kevin Fogliyano, Gilles Pinault, Stephen Seilkirk, Ronald Triolo
Case Western Reserve University

A180 The Role of Estrogen Receptor Beta in the Development of the Early Endometriotic Lesion
Jennifer Knudtson, Ya-Guang Liu, Marlen Tellez Santos, Rajeshwar Tekmal, Ratna Vاذlamudi, Robert Schenken
University of Texas Health Science Center San Antonio

A181 Development of a Model to Determine the Mechanism of Neotissue Formation in Tissue-Engineered Pulmonary Valves
Joseph David Drews, Tai Yi, Hideki Miyachi, Christopher Breuer
The Ohio State University

Outcomes Research, Health Services Research, and Comparative Effectiveness

A182 Predictive Metabolism Studies of Varenicline and Implications of its Metabolites in Nicotine Addiction
KeeshaIoy Thompson, Milton Brown
Georgetown University

A183 What is the Role of Race and Ethnicity in the Development of Thionamide-Induced Neutropenia? Irico R. Guthrie, Mark D. Erhardt, Jose R. Buchelli, Mark R. Burge
University of New Mexico Clinical and Translational Science Center

A184 Development and Validation of a New Clinical Severity Staging System for Patients with Non-Metastatic Papillary Thyroid Carcinoma
Omar Karadaghy, Dorina Kallogjeri, Jay Piccirillo
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A185 Psychometric Properties of the Press Ganey® Outpatient Medical Practice Survey
Angela Paige Presson, Chong Zhang, Amir M. Abtahi, Jacob Kean, Man Hung, Andrew Tyser
The University of Utah School of Medicine

A186 Evaluating a Community Research Consult Service - Getting to Outcomes and Impacts
Clara Pelfrey, Katrice Cain, Mary Ellen Lawless, Earl Pike, Ashwini Sehgal
Case Western Reserve University

A187 The Impact of Clostridium difficile Infection on Disease Severity in Patients with Inflammatory Bowel Disease
Alyce J.M. Anderson, Claudia Ramos-Rivers, Benjamin Click, Debbie Cheng, Ioannis Koutoubakis, Jana Al Hashash, Michael Dunn, Marc Schwartz, Jason Swoeger, Arthur Barrie, III, Miguel Requeiro, David Binion
University of Pittsburgh

A188 Older adults’ Views And Communication Preferences Around Cancer Screening Cessation
Nancy Schoenborn, Cynthia Boyd, Kimberly Lee, Craig Pollack
Johns Hopkins University School of Medicine

A189 Attrition of HIV-Exposed Infants and HIV-Infected Children from HIV Care and Treatment Programs in Low- and Middle-Income Countries: a Systematic Review
James Cartucci, Halle Friedman, Brenda Pelayo, Kimberley Robelin, Emily Sheldon, Kate Clouse, Yu Liu, Sten Vermund
Vanderbilt University

A190 Venous Catheter Placement in Non-Traditional Settings: The Mobile Vascular Access Device Program
Sara Condon Keller, Nathasha Hamler Mitra Gavagni, John Adamovich, Dawn Hohl, Sara Cosgrave, Deborah Williams
Johns Hopkins University School of Medicine

A191 Patients’ Perspectives on Reasons for Readmission
Jana Cerullo Leary, Amy LeClair, Megan Sweeney, Grace Yoon, Saul N. Weingart, Karen M. Freund
Tufts University

A192 Neuropsychological Predictors of Patient-reported Cognitive Outcome Following Deep Brain Stimulation
Kelly Mills, Kristyn D. Donohue, Aathman Swaminathan, Jeannie-Marie Leoutsakos, Jason Brandt
Johns Hopkins University School of Medicine

A193 Development of a Pediatric Hydrocephalus Severity Index to Predict Long-Term Clinical Outcomes
Rowland Han, Yan Yan, Abhaya Kulkami, T.S. Park, Matthew Smyth, Jennifer Straule, David Limbrick
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A194 Incidence and Predictors of Noncompliance with Evidence-Based Guidelines for Early Stage Breast Cancers using the National Cancer Data Base
Albert Liao, Grant W. Carlson, John William Eley, Theresa W. Gillespie
Emory University

A195 Tracking Post-Operative Symptom and Functional Recovery in GI Cancer Patients using Patient-Reported Outcomes
 Roxanne Jensen, Tania Lobo, Scott Gummerson, Waddah Al-Rafeai
Georgetown University
A196 Increased Utilization of Advanced Imaging Technology and Its Economic Impact for Patients Diagnosed with Bladder Cancer in the United States
Stephen Bentley Williams, Jinshai Hou, Jacques Baillargeon, Yong-Fang Kuo, Eduardo Orriueta, Douglas Tyler, Stephen Freedland, Ashish Kamat
University of Texas Medical Branch at Galveston

A197 Risk of Adjacent Segment Breakdown at the Cervico-Thoracic Junction: Where should we stop?
Johns Hopkins University School of Medicine

A198 Performance of PROMIS Health Assessments in Carpal Tunnel Syndrome
Casey Beleckas, Ryan Calfee
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A199 Community Engagement in Clinical and Translational Research: A Framework for Research Institutions
Dennis P. Scanlon, Laura J. Wolf, Cynthia Chuang, Jen Kraschnewski, Eugene Lengerich, Susan McHale, Ian M. Paul, Janice Penrod
Pennsylvania State University Clinical and Translational Science Institute

A200 Using the Multiphase Optimization Strategy to Engineer an Optimized STI Preventive Intervention among College Students
Kari Christine Kugler, Amanda E. Tanner, David L. Wyrick, Jeffrey J. Milroy, Brittany D. Chambers, Alice Ma, Linda M. Collins
Pennsylvania State University Clinical and Translational Science Institute

A201 Participant recruitment program at the University of Michigan CTSA
Meghan Spiroff, Lisa Connally, Anita Johnson, Aalap Doshi, Patricia Piechowski
Weill Cornell Graduate School of Medical Sciences

A202 Improving Minority Health and Reducing Health Disparities: Research at the Intersection of Health Disparity Science and Clinical and Translational Science
Meryl Sultian, Derrick Tabor, Phuong-Tu Le
National Institutes of Health

A203 The Impact of a Change in the Price of VA Healthcare on Utilization of VA and Non-VA Healthcare among Medicare-eligible Veterans
Richard E. Nelson, Brett Hicken, Megan Vanneman, Chuan-Fen Liu, Randall Rupper
The University of Utah School of Medicine

A204 Ensuring Data Quality from Anesthesia Information Management Systems for Clinical Outcomes Research
Steven Richard Kapeles
University of Michigan School of Medicine

A205 Coping Strategies Used by Caregivers of Newly Diagnosed Pediatric Brain Tumor Patients
Alexandra Cutillo, Susan Davies, Avi Madan-Swain, Wendy Landier, Anastasia Arynchyna, Brandon Rocque
University of Alabama at Birmingham

A206 Home Environment Characteristics of Bronchopulmonary Dysplasia Clinic Patients
Jessica Rice, J. Michael Collaco
Johns Hopkins University School of Medicine

A207 Young Mothers Study: A Medical Home Intervention for Parenting Adolescents
Sarah Amanda Dumas, Ivy Terrell
Louisiana State University Health Sciences Center

A208 Ceremonial “plant medicine” use and its Relationship to Recreational Drug Use: Results of a Pilot Study
Caroline Dorsen, Michele Shedlin
New York University, General Clinical Research Center

A209 PTSD: Understanding Differences in Trauma Cognitions, Memory, and Emotional Regulation
Ellen Volpe, Tiffany Jenzer, Lauren Rodriguez, Jennifer P. Read
University at Buffalo, State University of New York

A210 Depression and mental health service use: Data from National Health and Nutrition Examination Survey (NHANES) 2006-2012
Magda Shaheen, Senaït Teklehaimanot
David Geffen School of Medicine at UCLA

A211 Psychosocial Risk Factors Mental Health Symptoms, and Intervention Preferences of Latino Immigrant Parents Presenting to a Pediatric Clinic
Rheanna Platt, Elisabet Arribas-Ibar
Johns Hopkins University School of Medicine

A212 “Pipa” means early death”- Obesity and Cardiovascular disease (CVD) risks perception, knowledge and behavior among minority NYC cab drivers- A Qualitative analysis
Balavenkatesh Kanna, Erida Castro-Rivas, Euripides Roques, Shirley Magabo, Tina Washington, Mohammad Faiz, Namita Tiwari, Andrea Faraci, Edgardo Guzman, Weil Cornell Graduate School of Medical Sciences

A213 Screening for Diabetes in High-risk Women: Building the Data Infrastructure to Study Post-Partum Diabetes Screening Among Low Income Women with Gestational Diabetes
Cynthia Joan Herrick, Ben Cooper, Matthew Keller, Margaret Olsen, Graham Colditz
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A214 Patient and Household Member Colonization and Environmental Contamination with S. aureus in a Comparative Effectiveness Study of Home-Based Interventions to Reduce CA-MRSA Recurrence and Household Transmission
Clinical Directors Network
EXPLOR E, COLLABORATE, EDUCATE, INNOVATE

A215 Examination of Barriers and Facilitators to Sexual Healthcare Access among Adolescent Latinas in Alabama
Mercedes Margarita Mora les Aleman Isabel C. Scarinci, Gwendolyn Ferrell
University of Alabama at Birmingham

A216 Communication Frequency and Content Between Parents of Concussed Youth and Systems of Care
Sarah Terry, Molly Cox, Alexandra Linley, Jilian O’Neill, Laura Dreer
University of Alabama at Birmingham

A217 Emergency Department Visits for Cardiovascular and Cerebrovascular Events Related to California Wildfires in 2015
Zachary Wettstein, Sumi Hoshiko, Jahan Fahimi, Robert Harrison
University of California, San Francisco

A218 Predictors of permanent disability among adults with spinal dysraphism
Brandon G. Rocque, Matthew C. Davis, Betsy D. Hopson, Jeffrey P. Blount, Rachel Carroll, Tracey S. Wilson, Danielle Powell, Annie B. (Jackson) McLain
Children’s National Medical Center

A220 Artificial Urinary Sphincter (AUS) Placement after Failed Urethral Sling: Impact of Sling Removal and Proximal Cuff Placement
Arnav Srivastava, Gregory Joice, Madeline Manka, Nikolai Sopko, Edward Wright
Johns Hopkins University School of Medicine

A221 Artificial Urinary Sphincter Failure: Characterizing the Causes of Failure and Individual Device Component Survival
Arnav Srivastava, Gregory Joice, Madeline Manka, Nikolai Sopko, Edward Jamie Wright
Johns Hopkins University School of Medicine

A222 Integrated Delivery Systems and Perioperative Outcomes for Major Cancer Surgery
Jonathan Li, Chad Ellimoottil, Zaojun Ye, Lindsey Herrel, Deborah Kaye, David Miller
University of Michigan School of Medicine

A223 Reperfusion Strategies when Non-Stemi is Misclassified as Stemi Myocardial Infarction
Pablo I. Alfieri, Alejandro Figueroa, Ismael Valle, Orlando Arce, Brigida Colon, Hector Banchs, Pablo Alfieri
University of Puerto Rico-Medical Sciences Campus

A224 Prospective Analysis of Active Surveillance for Small Renal Masses: Is It Safe or Should We Operate?
Ridwan Alam, Hiten D. Patel, Mark F. Rifton, Bruce J. Trock, Peter Chang, Andrew A. Wagner, James M. McKiernan, Mohammad E. Allaf, Phillip M. Pierorazio
Johns Hopkins University School of Medicine

A225 Impact of Diabetes Mellitus and Glycemic Control in Lung Transplant Donors on Recipient Survival
Valentine Rae Esposito, Michael S. Mulvihill, Matthew G. Hartwig
Duke University

Group B: Thursday, 2:15 pm – 3:15 pm and 6:00 pm – 7:30 pm

Basic Science/Methodology

B1 Engineering a Universal Pool of T-cells for Systemic Therapy
Mark Osborn, Bruce R. Blazar
University of Minnesota CTSI

B2 Structure-Based Drug Design of Selective Inhibitors for the Cancer-Associated Carbonic Anhydrase IX
Carrie Lomelino, Mam Mboge, Akilah Murray, Nicole Horenstein, Coy Helderman, Susan Frost, Robert McKenna
University of Florida Clinical and Translational Science Institute

B3 Downregulation of miR-1207-3p is correlated to upregulation of FNDC1, FN1, AR and c-MYC in Aggressive Prostate Cancer in Men of African Ancestry
Weill Cornell Graduate School of Medical Sciences

B4 The Tale Behind the Tails: A Mass Spectrometry-Based Approach to Investigate the Role of a Histone Methyltransferase, EZH2, in Chromatin Remodeling, Cell Proliferation and Tumorigenesis
Miranda Lynn Gardner
The Ohio State University

B5 Metabo-Therapy for RARRES1-Depleted Epithelial Cells Using Repurposed Mitochondrial Metabolism Inhibitor, Metformin
Sara Maimouni, Mi-Hye Lee, Stephen Byers
Georgetown University

B6 Using Genetics and Biochemistry to Resolve the ERG-EWS Interaction in Prostate Cancer
Taylor Nicholas, Vivekananda Kedage, Nagarathinam Selvaraj, Peter Hollenhorst
Indiana University School of Medicine

B7 Characterization of Collagen Type I and II Blended Hydrogels for Articular Cartilage Tissue Engineering
Claire Elizabeth Kilmer, Neida Vazquez Portalatin, Alyssa Panitch, Julie C. Liu
Purdue University

B8 Self-assembling Cartilage from Equine Mesenchymal Stem Cells: A Comparison of Bone Marrow and Cord Blood-Derived MSCs
Jamie L. White, Jerry C. Hu, Dori L. Borjesson, Kyriacos A. Athanasiou
University of California, Davis
**Poster Abstracts (continued)**

**B9** Functional connectivity within the white matter is hierarchically organized and supports classification of brain states
Lauren K. Marussich, Lauren Marussich, Kun-Han Lu, Haiguang Wen, Junxing Shi, Ziyhan Zhang, Zhongming Liu
Indiana University School of Medicine

**B10** Temporal and Spatial Analysis of Stromal Cell and Extracellular Matrix Patterning
Pouri Kivanany, Kyle Grose, Shan Su, W. Matthew Petrock
University of Texas Southwestern Medical Center Dallas

**B11** Going to Scale: Disseminating Statistical Software and Methods in Biomedical Research
Matthew J. Mulvahill, Elaine H. Morrato, Nichole Carlson
University of Colorado at Denver

**B12** Loss of Resistance to Angiotensin II-Induced Hypertension in the Jackson Laboratory Recombination Activating Gene Null Mouse on the C57BL/6J Background
Amrita V. Pai, Hong Ji, Crystal A. West, Xie Wu, Robert C. Speth, Kathryn Sandberg
Georgetown University

**B13** Effects of Anoxia on Viability and Differentiation of Human Cardiomyocyte-Derived Cells
Michael Khanjyan, Vien Nguyen, Eric Kazangian, Shane Browne, Kevin Healy, Kurosh Ameri, Yerem Yeghiarian
University of California, San Francisco

**B14** Investigation of sAC Signaling Reveals New Therapeutic Targets for Cancer Cell Metabolism
Jenny Wang, Jonathan Zippin
Albert Einstein College of Medicine

**B15** Estimation of HIV viral load using quantitative measurement of HIV-p24 on lateral flow immunoassays
Joseph A. Conrad, Kelly Richardson Anna Bitting, Spyros Kalamis, David Wright
Vanderbilt University

**B16** Click-Click-Click for the Synthesis of Multifunctional Chlorins for Biomedical Applications
Junior Gonzales, Michael Drain, Dinesh Bhupathiraju, William Perea, Huong Chu, Nancy Greenbaum
Weill Cornell Graduate School of Medical Sciences

**B17** In Silico Prediction of NS1 Structure and Influenza A Virus Pathogenesis
Joshua Klonoski, Julio C. Facelli
The University of Utah School of Medicine

**B18** Hydrogen Sulfide Improves Intestinal Perfusion and Integrity After Ischemia by Nitric Oxide Dependent Pathways
Troy Markel, Amanda Jensen, Natalie Drucker, Sina Khaneki, Mike Ferkowitz, Mervin Yoder
Indiana University

**B19** Identifying Genetic Variants that Alter Gene Regulation from Genome-wide Association Studies of Obesity
Kristin Young, Maren Cannon, Svarooparani Vadlamudi, Hannah Perrin, Kevin Currin, Karen Mohlke
University of North Carolina School of Medicine

**B20** Orexin/Hypocretin Receptor 2 (HCRTR2) in Alcohol Dependence Diagnosis and Severity: An Exploratory Investigation in the Role of HCRTR2 rs2653349 Polymorphism
Tim D. Klepp, Primavera Spagnolo, Pei-Hong Shen, Nancy Diazgranados, Colin Hodgkinson, Vijay Ramchandani, David Goldman
National Institutes of Health

**B21** Measurement of Cytokines in Sweat Patches Among Older and Younger Adults: A Pilot Study
Melissa Hladek, Sarah Szanton, Young-Eun Cho, Nicole Osier, Caroline Sacka, Laken Roberts, Jessica Gill
Johns Hopkins University School of Medicine

**B22** Interleukin-1alpha Blockade Limits Inflammatory Injury in Acute Myocardial Infarction in the Mouse
Adolfo Gabriele Mauro, Eleonora Mezzaroma, Salvatore Carbone, Juan Torrado, Benjamin Van Tassell, Antonio Abbate, Stefano Toldo
Virginia Commonwealth University

**B23** Mapping Polyclonal HIV-1 Antibody Responses via Next-Generation Neutralization Fingerprinting
Vanderbilt University

**B24** Systems Biology of Naturally Acquired Clinical Immunity to Plasmodium falciparum malaria in Malian Children
Tuan Tran, Silvia Portugal, Aissata Ongouba, Rajan Guhan, Jeff Skinner, Boubacar Traore, Ewen Kirkness, Peter Crompton, Michael Glickman, Daniel Fitzgerald
Indiana University School of Medicine

**B25** Use of Broadly Neutralizing Antibodies to Measure the Latent HIV-1 Reservoir
Djin-Ye Oh, David D. Ho
Aaron Diamond AIDS Research Center, Rockefeller University

**B26** Mass Spectrometric Discovery and Validation of Urinary Biomarkers for the Diagnosis of Pulmonary Tuberculosis
Fonza Isla, Sean Collins, Myung Hee Lee, Diessy Decome, Nancy Dorvil, Patrice Joseph, Lauren Webster, Stephen Salerno, Martin T. Wells, Steven Fischer, Jean W. Pape, Warren D. Johnson, Daniel W. Fitzgerald, Kyu Y. Rheem
Weill Cornell Graduate School of Medical Sciences

**B27** Peripheral Blood Transcriptome During Pulmonary Tuberculosis With low vs. High Mycobacterium Tuberculosis load in Sputum
Kathryn Dupnik, Lucy Skrabanek, Marc Antoine Jean Juste, Jamie Bean, Myung Hee Lee, Vanessa Rivera, Jean W. Pape, Michael Glickman, Daniel Fitzgerald
Weill Cornell Graduate School of Medical Sciences
Age-related Changes in B cells Impact Immune Responses to Pneumococcal Vaccination in Aging HIV+ Individuals
Myroslawa (Myra) Happe, Jennifer Ohtola, Megan Bickford, Devadoss Samuel, Julie Westerink
Medical University of South Carolina

E-prescribing Research Participation: Feasibility of Recruiting Research Participants Using an EMR-integrated Health Information Technology
Gillian Feldmeth, Leidy Gutierrez, Stacy Tessler Lindau, Jennifer A. Makelarski, Edward T. Naureckas, Julian Solway
University of Chicago

Multi-muscle Synergies: A Sensitive Tool for Parkinson’s Disease
Ali Falaki, Mark L. Latash, Xuemei Huang, Mechelle M. Lewis
Pennsylvania State University Clinical and Translational Science Institute

The Role of Gut Microbiota in the Susceptibility of Parkinson’s Disease Development
Dimitri Koutzounis, Jose Antonio Pino, Sharonda S. Harris, Marisol Quiroz, Mansour Mohamadzadeh, Gonzalez Enrique Torres
University of Florida Clinical and Translational Science Institute

Resting State Network Profiles of Alzheimer’s Disease and Frontotemporal Dementia: A Preliminary Examination
Joey Annette Contreras, Shannon L. Risacher, Mario Dzemidzic, John D. West, Brenna C. McDonald, Martin R. Farlow, Brandy R. Matthews, Liana G. Apostolova, Jared Brosch, Bernard Gheetti, Joaquin Goni, Olaf Sporns, Andrew J. Saykin
Indiana University School of Medicine

A Method for Imaging Rates of Glymphatic Clearance in a Mouse Model
Megan Leigh Settell, Erika K. Ross, Fang Jin, Evan N. Nicolai, Aaron Johnson, Kip Ludwig
Mayo Clinic

The Tyrosine Kinase Inhibitor Pazopanib is a Potential Therapeutic for the Tauopathies
Monica Javidnia, Michaeline Hebron, Charbel Moussa
Georgetown University

Effects of Cortical Stimulation of the Non-infarcted Versus Peri-Infarcted Motor Cortex
Serena-Kaye Kinley-Coope, DeAnna Adkins
Medical University of South Carolina

Determining SOD1 Protein Half-life in Humans for Clinical Trial Design
Wade Kerner Self, Kwasi G. Mauwenyega, Bruce W. Patterson, Jennifer Jockel-Balsaprott, Christopher Kirmess, Randall J. Bateman, Timothy M. Miller
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

Defining Therapeutic Vulnerabilities in KRAS Mutant Lung Cancers Exhibiting Variable Epithelial – Mesenchymal Phenotypes
Daniel Sisler Lynn Heasley, Rafe Nemenoff, Joanna Poczobutt, University of Colorado at Denver

Developing a Non-invasive Diagnostic and Prognostic Tool for HPV+ HNSCC by Detecting Methylated Cxcl14 DNA in Patient Saliva
Jennifer Berger, Zachary L. Watson, Louis Cicchini, Joseph A. Westrich, John I. Song, Robert O. Greer, Antonio Jimeno, John H. Lee, Dohun Pyeon
University of Colorado at Denver

Semaphorin 7a in Breast Cancer Progression
Sarah Elizabeth Tarullo, Alan Elder, Ryan Hill, Kirk Hansen, Traci Lyons
University of Colorado at Denver

Metformin Treatment Provides Protection to the Retina in Mouse Models of Retinal Degeneration
Emily Brown, Lei Xu, Alfred S. Lewin, John D. Ash
University of Florida Clinical and Translational Science Institute

Oxygen Application to Promote Limb Salvage After Extremity Trauma
Mimi Sammarco, Luis Marrero, Keith Van Meter
Tulane University School of Medicine

Towards a Real Time Pediatric Regional Anesthesia Titration Device
Matthieu Chardon, Michael Johnson, Charles Heckman, Santhanam Suresh
Northwestern University

Interaction of Hydroxylated Polybrominated Diphenyl Ethers with Sulfotransferase
Katherine Cisneros, Margaret James
University of Florida Clinical and Translational Science Institute

Disagreement in Middle Ear Volume Values between Tympanometry and Three-Dimensional Volume Reconstruction
David Carpenter, Debora L. Tucci, David M. Kaylie, Dennis O. Frank-Ito
Duke University Medical Center

Individual Patient Outcome Predictions Using Supervised Learning Methods
Abiel Roche-Lima, Patricia Ordoñez, Nelson Schwarz, Adnel Figueroa-Jiménez, Leonardo A. García-Lebrón
University of Puerto Rico-Medical Sciences Campus

QIPR: Creating a Quality Improvement Project Registry
Amber L. Allen, Christopher Barnes, Kevin S. Hanson, David Nelson, Randy Harmatz, Eric Rosenberg, Linda Allen, Lilliana Bell, Lynne Meyer, Debbie Lynn, Jeanette Green, Peter Irastrate, Matthew McConnell, Patrick White, Samantha Davuluri, Tarun Gupta Akirala
University of Florida Clinical and Translational Science Institute
Poster Abstracts (continued)

B47 Clinical Trial Analytics: Uncovering the Dynamics and Characteristics of Successfully Recruiting Clinical Trials
Daniel Fort, Ashley Sipocz, Susanna McColley, Justin Starren
Northwestern University

B48 Will the Veteran Affairs (VA) electronic medical records (EMR) data base reveal a signal that angiotensin II inhibiting medications ameliorate depression?
David D. Maron, Marc Blackman, Richard Amdur, Thomas Meillman, Kathryn Sandberg
U.S. Department of Veterans Affairs

B49 PhenX in REDCap and dbGaP: Standard Measures and Bioinformatics for Collaborative Research
Huaqin Pan, Vesselina Bakalov, Rebecca Boyles, Tabitha Hendershot, Wayne Huggins, Stephen Hwang, Michelle C. Krzyzanowski, Josh Levy, Michael Phillips, Ying Qin, Brenda Minor, Rob Taylor, Paul Harris, Masato Kimura, Michael Feolo, Erin M. Ramos, Rosalind J. Wright, Carol M. Hamilton
RTI International

B50 Predicting Response to Hemodynamic Interventions in the ICU using Recurrent Neural Networks
Julian Genkins, Thomas A. Lasko
Vanderbilt University

B51 Using Amazon’s Mechanical Turk as a Tool for a Global Survey: Lessons learned from a large-scale implementation
Margaret Demment, Diana Fernandez, Dongmei Li, Susan Groth, Ann Dozier, Jack Chang, Tim Dye
University of Rochester Medical Center

B52 Integration of HMIS and UI Health Cerner Clinical System to Enable Data Sharing About Homeless Individuals
Neil Bahroos, Subhash Kumar Kolar Rajan, Stephen B. Brown, Padma Thangaraj, David Meinick, Angela Freeman
University of Illinois at Chicago Center for Clinical and Translational Science

B53 Towards a Scalable Informatics Platform for Enhancing Accrual into Clinical Research Studies
Ram Gouripeddi, Elizabeth Lane, Randy Madsen, Ryan Butcher, Bernie LaSalle, Katherine Sward, Julie Fritz, Julio C. Facelli, Mollie Cummins, Jianyi Shao, Rob Singleton
The University of Utah School of Medicine

B54 Developing a Corpus for Natural Language Processing to Identify Bleeding Complications among Intensive Care Unit Patients
Rashmee Shah, Benjamin Steinberg, Brian Bucher, Alec Chapman, Donald Lloyd-Jones, Matthew Rondina, Wendy Chapman
The University of Utah School of Medicine

B55 A machine learning pipeline to Predict Acute Kidney Injury (AKI) in Patients without AKI in their Most Recent Hospitalization
Samuel Weisenthal, Samuel J. Weisenthal, Caroline Quill, Jiebo Luo, Henry Kautz, Samir Farooq, Martin Zand
University of Rochester Medical Center

B56 Governance for a Decentralized Informatics Academic Environment
Thomas Fogg, Margaret Demment, Jack Chang, Kathleen Holt, Dongmei Li, Helene McMurray, David Pinto, Timothy De Ver Dye
University of Rochester Medical Center

B57 Analyzing and Visualizing the Pharmacokinetics of Piperacillin to Improve Treatment of Infection in Patients with Acute Kidney Injury
Hannah Lynn Weeks, Ryan T. Jarrett, William H. Fissell, Matthew S. Shchwell
Vanderbilt University

B58 Functional analysis of the cutaneous microbiome in psoriatic disease
Di Yan, Hsin-Wen Chang, Rasnik Singh, Kevin Lai, Kristina Lee, Ladan Afifi, Xueyan Lu, Derya Ucmak, Susan Lynch
University of California, San Francisco

B59 Applying machine-learning publication classifiers to hub evaluation
Alisa Surkis, Janice A. Hogle, Linda Scholl, Noelia Sayavedra, Yindalon Aphinyanaphongs
New York University School of Medicine

B60 Variant Classification Conflict Amongst Genes Subject to Reporting of Secondary Findings
Bimal Pankaj Chaudhari, Luke Rasmussen, Firas Wehbe, Justin Starren
Northwestern University

B61 Genetic determinants of Recovery After Mild Traumatic Brain Injury: Can study samples be identified from electronic medical records linked to DNA biobanks?
Jessica Dennis Scott Zuckerman, Aaron Yengo-Kahn, Nancy Cox, Gary Solomon
Vanderbilt University

B62 Pioneering the Pathway with Big Data to Eliminate Hepatitis C Viral Infection (EHCV)
Dawn A. Fishbein, Ian Brooks, Emanuel Villa Baca, Ozgur Ozmen, Mallikarjun Shankar, Gili Weigand, Kristina Thiagarajan, Randy Estes, Alex Geboy, Hala Deeb, Mamta Jain, Lesley Miller, Coleman Smith, Kelly Smith, Nawar Shara
MedStar Health Research Institute

B63 Team-based Use of a Health Information Exchange Increased Mammography Documentation and Referral in an Academic Primary Care Practice
Samantha I. Pitts, Nisa M. Maruthur, Xiao Wang, Melinda Sawyer, Renee Grimes, Candace Nigrin, Jeanne Clark, Nae-Yuh Wang, Heather Sateia, Kimberly Poairs
Johns Hopkins University School of Medicine

B64 Passive intracranial EEG based Localization of the central sulcus during Sleep
Rafeed Alkawadri
Yale School of Medicine
Evaluations of Physiologic Perturbations and Their Relationship with Length of Stay in Neonatal Hypoxic-Ischemic Encephalopathy
Susan Slattery, Lei Liu, Haitao Chai, William Grobman, Jennie Duggan, Doug Downey, Karna Murthy
Northwestern University

Clinical Predictors of Satisfaction Among Spine Patients: A Single Center Study
Rasheedat Zakare, Gautam Nayar, Oren Gottfried
Duke University

Clinical Epidemiology

Data Analysis and Audit of 2015-2016 Youth Football Surveillance Data
Stanley Guillaume, Frank Curriero, Jon Vernick, Keshia M. Pollack
Johns Hopkins University School of Medicine

Serious Cardiovascular Morbidity and Mortality in a Cohort of Adults with Fontan Physiology
Angela Weingarten, Daniel E. Clark, Ryan D. Byrne, Patricia Y. Chu, Frank A. Fish, Benjamin P. Frischhertz, Larry W. Markham
Vanderbilt University

Sleep Apnea is associated with increased risk for Sudden Unexpected Death in Epilepsy (SUDEP)
Anwar A. Chahal, Thao Luu, Paul Timm, Paul Sheppard, David Sandness, Ashley Enke, Lucas Dueffer, Max Dresow, Stuart J. McCarver, Virend K. Somers, Erik K. St. Louis
Mayo Clinic

Predictors of Hypertension and Pre-hypertension among Young Adult Men: NHANES 2005-2014
Makia Powers
Morehouse School of Medicine

Morphomic Variables as Predictors of Outcomes in Patients on the Lung Transplant Waitlist
Sebastian Thomas Kwon, Jules Lin, Stewart Wang
University of Michigan School of Medicine

Generalizability of results from the Systolic Blood Pressure Intervention Trial (SPRINT) to the US adult population
Adam Bress, Rikki M. Tanner, Rachel Hess, Lisandro D. Colantonio, Daichi Shimbo, Paul Multner
The University of Utah School of Medicine

Utilization of an ICD-Coded Electronic Health Records (EHR) Database to Characterize the Epidemiology of Prosopagnosia
Christina Pressl, Caroline Jiang, Joel Correa da Rosa, Maximilian Friedrich, Winrich Freiwald, Jonathan Tobin
Rockefeller University

In Utero Exposure to Tobacco Smoke and Subsequent Cardiometabolic Risks among U.S. Adolescents from 1999-2014
Danielle R. Stevens, Angela Malek, Kelly Hunt, Caroline Laggis
Medical University of South Carolina

Obesity is Related to More Respiratory Symptoms in a Large Group of U.S. Asthmatics
Emily Pfeil Brigham, Robert Henderson, Janet Holbrook, Robert Wise, Elizabeth Sugar, Anna Dixon, Meredith McCormack
Johns Hopkins University School of Medicine

Accuracies of Using Her2 for Prognosis of Breast Cancer Recurrence in Life After Cancer Epidemiology (LACE) Study
Nan Hu
The University of Utah School of Medicine

Racial and Ethnic Disparities in the Prevalence and Severity of NAFLD in the United States
Nicole Elizabeth Rich, Amit Singal, Stefany Oji
University of Texas Southwestern Medical Center Dallas

Investigation of Antimicrobial Resistance in Ureaplasma species and Mycoplasma hominis Isolates from Urine Cultures in College-aged Females
Marissa Valentine-King, Mary B. Brown
University of Florida Clinical and Translational Science Institute

Acute Kidney Injury in Patients on SGLT-2 Inhibitors: a Propensity Matched Analysis
Rocco Ferrandino, Girish Nadkarni, Priti Poojary, Aparna Saha, Bart Ferket, Kinsuk Chauhan, Steven Coca
Icahn School of Medicine at Mount Sinai

Formation of the Consortium for Dural Arteriovenous Fistula Outcomes Research (CONDOR)
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

Hypotension and Hospital-Acquired Falls
Elizabeth Feibberg, Robert J. Lucero, Michael T. Weaver, Anna M. McDaniel, A. Michelle Chandler, Phyllis A. Richey, Lorraine C. Mion, Ronald I. Shorr
University of Florida Clinical and Translational Science Institute

The Relationship Between Loneliness in Middle Age and Biomarkers of Systemic Inflammation: Findings from MIDUS, a Study of Midlife in the United States
Paula V. Nersesian, Sarah L. Zantoun, Gayane Yenokyan, Hae-Ra Han, Roger S. Blumenthal, Marie T. Nolan
Johns Hopkins University

Differences in Treatment and Outcomes for Small Cell Lung Cancer Across Socioeconomic Lines
Sunny Lai Yang Xie
University of Texas Southwestern Medical Center Dallas
Poster Abstracts (continued)

B84 Preliminary Evaluation of Postural Stability as a Cost-effective Means of Quantitatively and Objectively Differentiating Between Autism Spectrum Disorder, Developmental Coordination Disorder, and Typical Development
Haylie Miller, Nicoleta Bugnariu, Priscila Caçola, Rita Patterson
University of North Texas Health Science Center

B85 Depression Screening for Women with Young Children Presenting for Well Child Pediatric Visits
Sunaina Kapoor, Krishna Upadhya, Tina L. Cheng
Johns Hopkins University School of Medicine

B86 Determinants of Depression Among Women from a Large Community Engagement Project
Deepthi S. Varma, Jasmine Mack, Linda Cottler
University of Florida Clinical and Translational Science Institute

B87 Trends and Factors Related to Tobacco Use in the United States: Findings from 2 US National Surveys Over 2 Decades
Linda Johnson, Laura Bierut
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

B88 Cardiovascular Disease Risk and Allostatic Load in Sexual Minorities
Billy Caceres
New York University, General Clinical Research Center

B89 Investigating Whether Antral Follicle Count Predicts Menstrual Function After Exposure to Cancer Chemotherapy
Nikita Sinha, Joseph Letourneau, Mitchell Rosen
University of California, San Francisco

Clinical Trial

B90 Optical Probe for Real-Time Prostate Biopsy
Shamira Sridaran, Regina Gandour-Edwards, Marc Dell’Era, Laura Marcu
University of California, Davis

B91 Clinical Signatures of Stroke and Bleeding in Patients on Left Ventricular Assist Device (LVAD) Support
Tara Shrouf, Susan Smyth, Travis Sexton, Maya Guglin
University of Kentucky College of Medicine

B92 Time-Restricted Feeding Curb DESIRE to Eat in the Evening But Does Not Affect Most Satiety Hormones in Humans
Courtney M. Peterson, Robbie Beyl, Eric Ravussin
University of Alabama at Birmingham

B93 Fecal Bile Acids, Fecal Short Chain Fatty Acids and the Intestinal Microbiota in Patients with Irritable Bowel Syndrome (IBS) and Control Volunteers
Andrea Shin, David Nelson, John Wo, Michael Camilleri, Anita Gupta, Arturo Carrillo, Huiping Xu
Indiana University School of Medicine

B94 Dietary Polyunsaturated Fatty Acid Consumption is Associated with Improved Body Composition in Nonalcoholic Steatohepatitis Patients
Hayley Billingsley, Salvatore Carbone, Justin M. Canada, Leo Buckley, Dave L. Dixon, Dinesh Kadariya, Sofani Dessie, Benjamin W. Van Tassell, Antonio Abbate, Mohammad Siddiqui
Virginia Commonwealth University

B95 Pretreatment Peripheral Blood Monocyte Gene Expression Signature is Predictive of Patient Response to Dendritic Cell Vaccination for Metastatic Renal Cell Carcinoma
Jason Muhitch, Anand Sharda, Alexander Wald, Mohammad Habiby Kermany, Katja Koeppen, Thomas H. Hampton, Jan Fisher, Carnio Paudal, Marc Ernstoff, Thomas Schwaab, Jason Muhitch
Roswell Park Cancer Institute

B96 The Effect of Probiotic Lactobacillus GG Versus Placebo on Gut Microbiota Shifts and Weight Loss in Patients Undergoing Obesity Surgery: A Double-blind Randomized Controlled Trial
Henry Rogalin, Anne Kane, Julie J. Kim, Justin Chang, David Snyderman, Shira Doron
Tufts University

B97 A Close Examination of Anti-Retroviral Drug Selection And Management in the Optima Study
Yuan Huang, Sheldon T. Brown, Shuangge Ma, Tassos Kyriakides
Yale School of Medicine

B98 Identifying Optimal Multiple Sclerosis (MS)-specific Atrophy Markers as Primary Endpoint for Phase II Clinical Trials in Progressive MS
Christina Azevedo, Steven Cen, Ling Zheng, Amirhossein Jaberzadeh, Pelletier
University of Southern California

B99 Utility of the Modified Barium Swallow Impairment Profile As An Outcome Measure in Oculopharyngeal Muscular Dystrophy
Sarah Youssif, Carol Romero-Clark
University of New Mexico Clinical and Translational Science Center

B100 Primary Management of Advanced-Stage Ovarian Cancer: One Year at a High-Volume Care Center
Maureen Byrne, Renee Cowan, Jennifer Spross, Kara Long-Roche, Ginger Gardner
Icahn School of Medicine at Mount Sinai

B101 Evaluating an Integrated Data Repository Linked to a Consent to Re-contact in Clinical Trial Recruitment: Comparing the Effectiveness of Direct Mailer or Combination Recruitment Strategy in a Rare Disease
Elizabeth Flood-Grady, Janice Krieger, Virginia Clark, A. Bauer, L. Morelli, P. Horne, David Nelson
University of Florida Clinical and Translational Science Institute
B102 Gender Differences in the Pharmacology of Buprenorphine Sublingual Tablets in Hispanics/Latinos: An Underrepresented Population
Darlene Ivelisse Santiago, Jorge Duconge
University of Puerto Rico-Medical Sciences Campus

B103 The Impact of Social Influence and Impulsivity on IV Alcohol Self-administration in Non-dependent Drinkers
Alyssa Schneider, Bethany L. Stangl, Elgin R. Yalin, Jodi M. Gilman, Vijay Ramchandani
National Institutes of Health

B104 Using Neuro-Imaging to Measure Effects of Non-Invasive Brain Stimulation as an Intervention for Alcohol Use Disorder
Jazmin Camchong, Liliana Goelkel, Bryan A. Mueller, Mark Fiecas, Angus W. MacDonald, III, Kelvin O. Lim, Matt Kushner
University of Minnesota CTSI

B105 Parental Concerns about Child Participation in Clinical Trials Reflect a Need to Move beyond Traditional Notions of Trust and Race
Jennifer Erves, Tiliica Mayo-Gamble, Consuelo Hopkins Wilkins
Vanderbilt University

B106 Effects Of A Novel Two-Phase Rehabilitation Program On Postural Control In Older Adults: A Pilot Study
Evan Papa, Mahdi Hassan, Sandra Hunter, Rita Patterson, Nicoleta Bugnariu
University of Texas Southwestern Medical Center Dallas

Commercialization, Entrepreneurship, Regulatory Science

B107 SEPHODIS: A New Ultrafast Laser Technology For Viral Clearance
Shaw-Wei David Tsen, Kong-Thon Tsen, Samuel Achilefu
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

B108 Endoscopic Retrograde Cholangiopancreatography (ERCP) in India: An Understanding of Technical and Systemic Challenges Through Ethnographic Research
David Gullotti, Kyle Cowdrick, Sritam Rout, Amir Soltanianzadeh, Marc Chalala, Maria Torres, Youseph Yazdi, Soumyadipata Acharya, Jay Pasricha, Ashish Nimgaonkar
Johns Hopkins University School of Medicine

B109 iobio: From Academic Project to Commercial Enterprise
Alistair N. Ward, Chase Miller, Gabor Marth
The University of Utah School of Medicine

B110 I-Corps at NCATS: Toward Entrepreneurial Training for Clinical and Translational Investigators & Lessons Learned in Team-Based Customer and Stakeholder Discovery
Molly Wasko, Elaine Morrato, Nicholas Kenyon, Suhrud Rajguru, Bruce Conway, Sara Love, Nate Hafer, Pamela Bhatti, Jonathan Fay, Seth Zonies,
University of Alabama at Birmingham

Digital Health & Social Media

B111 Patient Satisfaction with the Michigan Surgical and Health Optimization Program (MSHOP): A Mixed Methods Study
Martin Gruca, Angela K. Lyden, Anjana M. Kumar, Elizabeth A. Jackson
University of Michigan School of Medicine

B112 Usability and Adoption of the First Enterprise-Wide App Prescribing Platform, RxUniverse, in an Academic Tertiary Care Hospital
Sonya Makhni, Daniel Tuchman, Farah Fasihuddin, Jason Rogers, Ashish Atreja
Icahn School of Medicine at Mount Sinai

B113 What Factors Explain Failure to Meet Clinical Recommendations for Preschool Children’s Screen-Time?
Amanda E. Staiano, Andrew T. Allen, E. Kipling Webster, Corby K. Martin
Tulane University School of Medicine

B114 Mobile Use Patterns among Low-Income Parents and Teens Enrolled in Outpatient Substance Abuse Treatment
Stacy Ryan, Lindsay L. Lange, Donald M. Dougherty, Curtis
University of Texas Health Science Center San Antonio

B115 Real-time Health Activity Reporting of Citizens in Lagos, Nigeria Using mHealth App Node
Solomon Abiola, Olaoluwa Akinwale, Earl Dorsey, Henry Kautz
University of Rochester Medical Center

B116 An Analysis of How Consumer Physical Activity Monitors (Monitors) are Used in Biomedical Research
Stephen P. Wright, Kathryn Sandberg
Georgetown University

Education/Mentoring/Professional Development

B117 The Translational Integrator: Facilitating collaboration and bridging the “Valley of Death”
Alexandra Joelle Greenberg, Nathan P. Staff, Anthony Windebank
Mayo Clinic

B118 Documenting ADAPT (Addressing Disparities in Asian Populations through Translational research): The growth of a community-research collaborative
Amy LeClair, Carolyn Rubin
Tufts University

B119 Use of an Online Provider Learning Community to Assess Clinical HIV/HCV/STDs-related Training Needs
Cabiria Monica Barbosu, Jose G. Perez-Ramos, Margaret Demment, Thomas Fogg, Jack Chang, Beatrice Aladin, Cheryl Smith, Timothy De Ver Dye, Terry Doll
University of Rochester Medical Center

B120 Expanding Capacity for Clinical and Translational Science by Investing in Research Staff through the Strategic Teamwork for Effective Practice-Mentor Development Program (STEP-MDP)
Christine Marie Denicola, Christine Marie Denicola, Lisa Altshuler, Sondra Zabar
New York University, General Clinical Research Center
Poster Abstracts (continued)

B121 Colorado Immersion Training in Community Engagement: Charting the Course Toward More Meaningful Community Engagement
Donald Nease, Jr., Montelle Tamez, Kathryn Nearing, Elaine Bolansky, Charlene Barrientos Ortiz, Lorenzo Ramirez, Reginaldo Garcia, Victoria Francies, May Tran, University of Colorado at Denver

B122 Professional Mentoring Skills to Enhance Diversity (PROMISED): Diversifying the Workforce
Doris Rubio, Marie Norman, Seyed Mehdi Pouraie, Shanta Zimmer, Brian Primack, Esa Davis, Jeanette South-Paul University of Pittsburgh

B123 Advancement of Translational Sciences: Development of an Interprofessional Program and Outcome Measures for Foundational, Clinical, and Health Care Researchers
Gayathri Devi, Ranjan Sudan, Stephanie Freeli, Laura Fish Duke University

B124 Three Stages of Cultural Change in Translational Science
Joseph A. Kotarba University of Texas Medical Branch at Galveston

B125 An Education Program for Engineering Students Collaborating with Clinician Scientists to Address Priority Hospital Patient Safety Problems using an Ethnographic Research Approach
Laura Camarata, Stephen P. Juraschek, Pamela Sheff, Peter A. Doyle, Robert M. Graham, John M. Adamovich, Lori A. Paine, Edgar R. Miller, III, Manik Arora, Alexandra Morani, Thomas Cornish Johns Hopkins University

B126 Implementation and Dissemination of A Unique Training Program in Stem Cell Biology and Regenerative Medicine
Matthew Jones, David Felson, David Center, Darrell Kotton Boston University

B127 Equipping Health Professional Students to Apply Pharmacogenomic Data to Clinical Decision Making in Real-World Scenarios: Comparison of an Active Engagement Versus Didactic Teaching Approach

B128 Sinai MedMaker Challenge: A Model of Experiential Team Science Education
Peter Backeris, Janice L. Gabriolove, Caroline Eden, Crispin Goytia, Kevin Costa Icahn School of Medicine at Mount Sinai

B129 A Competency-based Approach to Redefining Clinical Research Workforce Quality and Development
Rebecca NameneK Brouwer, Denise Snyder Duke University

B130 Best Practices for Social and Behavioral Research: Developing a Competency-Based Learning Course in Good Clinical Practice
Susan Lynn Murphy, Christy Byk-Jazayeri, Elizabeth Anderson, Angela Lyden, Jennifer Miner, Jordan Hahn, Brandon Lynn University of Michigan School of Medicine

B131 Promotion and Tenure Guidelines for Interdisciplinary Team Science at CTSI Institutions
Susan McHale, Dee Bagshaw, Arthur E. Blank, Patrick Barlow, Laura Wolf, Brigitte Leitzell, Deborah Diazgranados Pennsylvania State University Clinical and Translational Science Institute

B132 Have Interdisciplinary Collaborations Increased Over the Last Ten Years at Johns Hopkins University? Results of a Pilot Study
Christine M. Weston, Mia S. Terkowitz, Daniel E. Ford Johns Hopkins University

B133 Evaluating Impact of CTSA Usage on Research Productivity Outcomes
Yue Zang, Tom Greene, Trent Matheson, Erin Rothwell The University of Utah School of Medicine

B134 Collaborative Translational Workforce Development: Standardizing Clinical Research Nursing Education in Good Clinical Practice
Patricia Eckardt, Christine Kovner, Marilyn Hammer, Margaret Barton-Burke, Margaret McCabe, Elizabeth Cohn, Marie Marino, Liza Behrens Rockefeller University

B135 Using social network analysis to design and evaluate CTSA pilot programs
Therese Kenenelly Okraku, Valerio Leone Sciabolazza, Raffaele Vacca, Christopher McCarty University of Florida Clinical and Translational Science Institute

B136 Self-Assessment of Team Performance using T-NOTECHS in Simulated Pediatric Trauma Resuscitation is not Consistent with Expert Assessment
Aaron R. Jensen, Minna M. Wiek, Todd P. Chang, Caron Park, Christianne Lane, Alyssa Rake, L. Caulette Young, Rita V. Burke PhD MPH, Elizabeth A. Cleek, Inge Morton, Catherine J. Goodhue, Randall S. Burd, Henri R. Ford, Jeffrey S. Upperman University of Southern California

Ethics

B137 Should All Clinical Research Subjects Pay the Same?
Bernadette McKinney University of Texas Medical Branch at Galveston

B138 Knowledge, Attitudes, and Experiences Towards Genetic Research Among Persons of African Descent
Jane A. Otado, Veronica Thomas, Shawneequa Callier, Faun Rockcliffe, Dietrich Johnson, Denise Scott Howard University
B139 Beyond “REACH”: The Research, Education, And Community Health (REACH) Coalition as an Exemplar for Broad-based Stakeholder Engagement
Sharon A. Croissant, Christine Arcari, John Prochaska, Amber Anthony, Brittany Wallace, Chantele Singleton, Lori Wiseman, Rob Ruffner, Tino Gonzalez, Dwayne Jones, Fredia Marie Brown, Julie Purser, Allan Brasier
University of Texas Medical Branch at Galveston

B140 Understanding Investigators’ Attitudes through a Results Based Accountability Framework within a Single CTSA Institution
Erin Rothwell, Trent Matheson
The University of Utah School of Medicine

B141 Participatory Development of a CTSA-wide Community Advisory Board: Enhancing Community Engagement at the Michigan Institute for Clinical & Health Research
Jorge Delva, Adam Paberzs, Patricia Piechowski, Karen Calhoun, Diane Carr, Meghan Spiroff, Ayse Buyuktur, Kevin Weatherwax
University of Michigan School of Medicine

Mechanistic Basic to Clinical

B142 The Role of p97 in DNA Inter-strand Crosslink Repair
Halley Rycegno, David T. Long
Medical University of South Carolina

B143 Aging-Associated Increases in Platelet Granzyme A Regulate Pro-Inflammatory Gene Synthesis by Monocytes
Matthew Thomas Rondina, Robert A. Campbell, Anish Bhatnagar, Zechariah Franks, Jesse W. Rowley, Bhanu Kanth Manne, Mark A. Supiano, Alistair N. Ward
University of Utah School of Medicine

B144 Parallel Analysis of Skeletal Muscle from Cachectic PDAC Patients and their Mouse Avatars Identifies Novel Transcriptional and Proteomic Signatures of Cachexia
Rachel Nosacka, Andrew Judge, Jose Trevino
University of Utah School of Medicine

B145 Targeted Eccentric Motor Control to Improve Locomotion after Incomplete Spinal Cord Injury
Kevin O’Brien, Michele Basso, James Schmiedeler
Indiana University School of Medicine

B146 Maximal Systolic Excursion of the Tricuspid Annulus is Independent of Right Atrial Size and Function in Chronic Pulmonary Hypertension
Dagmar Fredy Hernandez Suarez, Francisco Lopez-Menendez, Angel Lopez-Candales
University of Puerto Rico School of Medicine

B147 Radiographic And Clinical Characteristics in Patients with Pulmonary Embolus and the Acute Respiratory Distress Syndrome (ARDS)
Daniel Joseph Minter, Sean Levy, Mannudeep Kalra, Subba Digumarthy, Alexi Otrakji, Shaunaugh McDermott, David Christiani, B. Taylor Thompson
University of California, San Francisco

B148 Dietary Fat Consumption and Cardiorespiratory Fitness in Patients with Heart Failure with preserved Ejection Fraction
Salvatore Carbone, Justin M. Canada, Leo F. Buckley, Cory R. Trankle, Hayley Billingsley, Dave L. Dixon, Adolfo G. Mauro, Sofaniat Dussie, Dinesh Kadariya, Eleonora Mezzaroma, Raffaella Buzzetti, Ross Arena, Benjamin W. Van Tassell, Stefano Toldo, Antonio Abbate
Virginia Commonwealth University

B149 Relationship Between Pre-hospital Alcohol Use and Presence of ICU-acquired Neuromuscular Dysfunction
Sarah Jolley, Bennett deBoisblanc, Liz Simon, Patricia E. Molina, Catherine Hough
Louisiana State University Health Sciences Center School of Medicine

B150 A Quantitative Disintegration Method to Evaluate Polymeric Films
Sheila Grab, Yvonne Cosgrove Sweeney, Dorothy L. Patton, Lisa C. Rohan Rohan
University of Pittsburgh

B151 Association Between IL-1β, IL-6 and IL-10 Gene Polymorphisms with Early Onset Colorectal Cancer Susceptibility in Puerto Rican Hispanics
Jorge J. Cruz-Cruz, Marcia Cruz-Correa
University of Puerto Rico-Medical Sciences Campus

B152 Lipoprotein Lipase (LpL) Modulates Macrophage Accumulation in the Peritoneal Cavity
Hyerim Chang, Diego Scerbo, Namrata Gumaste, Yunying Hu, Stephanie Chiang, Ira Goldberg
New York University, General Clinical Research Center

B153 Human Thoracic Duct Lymph Contains T Follicular Helper Cells (Tfh) that are Transcriptionally Similar to Tfh within B Cell Follicles
Laura Vella Marcus Buggert, Michael Betts, E. John Wherry
University of Pennsylvania School of Medicine

B154 Vaccine Efficacy and Immunogenicity of Recombinant WAP and CAP-1 Proteins in AKR Mice
Neima Briggs, Leroy Versteeg, Bin Zhan, Rojelio Mejia, Brian Keegan, Coreen Beaumier, Jagannadh Sastry, Maria Elena Bottazzi, Peter Hotz
University of Texas Medical School at Houston

B155 Identification of Novel Shared Tumor Antigens for the Development of T Cell Based Immunotherapies
Sherille Bradley, Greg Lizee
University of Texas Health and Science Center at Houston

B156 Gene Expression Signatures of Acute Respiratory Syncytial Virus Infection in Pediatric Patients Reveals Insight into Clinical Pathogenesis
Darrell Dinwiddie, Walter Dehority, Kurt C. Schwalm, Raymond J. Langley, Stephen A. Young, Joshua L. Kennedy
University of New Mexico Clinical and Translational Science Center
B157 Fecal Microbiota Transplant Partially Restores Colonization Resistance to Carbapenem-Resistant Enterobacteriaceae
Erin E. Olson, Andreas J. Baumler
University of California, Davis

B158 A Novel Antibody Assay Strongly Predicts Children With Staphylococcus aureus Musculoskeletal Infections
James Benjamin Wood, Jr, Lauren Jones, Nicole Soper, C. Buddy Creech, Isaac Thomsen
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B159 Using A Combined Approach of MRI and RNA Sequencing to Define System Biology of Acute Ischemic Stroke Patients Treated with Thrombolysis
Alexis Nettis Simpkins, Kory Johnson, Zurab Nadareishvili, Kelley Devon, Marie Luby, Richard Leigh, Larry Latour, John Hallenbeck
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B160 GABA-A Receptor Binding is Abnormal in Sensory-motor Integration Brain Regions in Cervical Dystonia
Brian Berman, Erika Shelton, Yubin Miao
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B161 Presurgical language fMRI: Mapping of Six Critical Regions
Christopher Benjamin, Patricia D. Walshaw, Kayleigh Hale, William D. Gaillard, Leslie C. Baxter, Madison M. Berl, Monika Polczynska, Stephanie Noble, R. Alkawadri, L.J. Hirsch, T.C. Constable, S.Y. Bookheimer,
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B162 Osmotic Shifts, Cerebral Edema, and Neurologic Deterioration in Severe Hepatic Encephalopathy
Eric M. Liotta, Anna L. Romanova, Bryan D. Lizza, Laura J. Rasmussen-Torvik, Andrew M. Naidech, Shyam Prabhakaran, Farzaneh A. Sorond, Matthew B. Maas
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B163 Electrical Stimulation to the Subcallosal Cingulate and Amygdala Drive Shifts in Affective Bias Across Patient Populations
Kelly Rowe Bijanki, Jon Willie, Helen Mayberg, Jess Fiedorowicz, Christopher Kovach, Cory Inman, Andrea Crowell, Robert Gross, Daniel L. Drake,
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B164 Anatomical Substrates of Cognitive Fatigue in Aging and in Parkinson’s Disease
Sarah Elizabeth Burke, Immanuel B.H. Samuel, Qing Zhou, Benzi Kluger, Catherine Price, Mingzhou Ding
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B165 Sleep, Biological Stress, and Health in a Community Sample of Toddlers Living in Socioeconomically Disadvantaged Homes
Monica Roosa Ordway, Nancy Redecker, Lois Sadler
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B166 Phenotypic Characterization of the CD4+ T Cell Response During Anti-CTLA4 Therapy with Ipilimumab in Melanoma Patients
Farha Sherani, Duane Moogk, Anuj Bapodra, Karolina Malecek, Una Moran, Yesung Lee, Iman Osman, Michelle Krogsgaard
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B167 ETV6 Represses Pax5 in Early B Cell Development
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B168 Gut Microbiome Alterations in Children Undergoing Hematopoietic Stem Cell Transplantation
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B169 Defining Critical Features of the Immune Microenvironment in Melanoma Using Multiplex Immunohistochemistry and Spatial Analysis
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B170 Novel Approaches to Enhance Anti-tumor Immunity in HER2-positive and Triple Negative Breast Cancer
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B171 Upregulation of microRNA-150 in Aged Macrophages Promotes Age-related Macular Degeneration
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B172 Metabolic Benefits of Timed Exercise
Justin Matthew Thomas, Julie S. Pendergast, W. Scott Black, Philip Kern, Jody L. Clasey
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B173 Comparing the Properties of Human Umbilical Cord Derived Mesenchymal Stromal Cells From Preterm Versus Full Term Infants
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B174 Protective Immunity to Live Vaccines Among Children with Solid Tumors
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B175 Sex Related Differences of Acute Doxorubicin-induced Toxicity in C57Bl/6 Mice
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B176 Examining Endophenotypes of Genetic Risk and Resiliency in Bipolar Disorder
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B177 Temperature Regulating Wheelchair Cushion for Prevention of Pressure Ulcers
Metin Yavuz, Ali Ersen, Linda Adams
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B178 Successful Hand Function Recovery After Stroke
Shashwati Geed, Peter S. Lum, Michelle L. Harris-Love, Jessica Barth, Peter E. Turkeltaub, Alexander W. Dromerick
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B179 The Association Between Arterial Stiffness and Peripheral Artery Disease as Measured by Arterial Tonometry
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B180 Biofilms in Wounds – Detection, Individualizing Treatment and Monitoring Response to Therapy
Petra Wilder-Smith, Janet Ajdaharian, Afarin Golabgir Anbarani, Jessica Ho, Karon Sahni, Richa Mittal, Eric Potma
University of California, Irvine

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B181 A Path Perspective on Bio-psycho-social Predictors of Health Status in Peripheral Artery Disease
Nikhil Satchidanand, Jeffrey Fine, Gregory S. Cherr
University at Buffalo, State University of New York

B182 Evaluating the Association Among Biological, Social and Nutritional Status on Adolescent Pregnancy Rates, Physiology and Birth Outcomes Using Electronic Health Records Data

B183 Social Determinants of Health and Comorbidity in Individuals with Type 2 Diabetes at HealthStreet, a Community Engagement Initiative
Scott Cohen, Jasmine Mack, Catherine Striley, Linda Cottler
University of Florida Clinical and Translational Science Institute

B184 A Checklist for Developing and Implementing a High-Impact Monitoring & Evaluation System in Clinical and Translational Science Programs
Boris Volkov
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B185 Collective Capacity Building Tool (CCBT): A Unique Instrument and Process Supporting Community-Campus Partnerships for Translation
Kathryn Nearing, Donald Nease, Jr., Montellie M. Tamez, Martha Tenney, Elizabeth Sweitzer
University of Colorado at Denver

B186 Patient Preferences and Attitudes Regarding Next-Generation Sequencing Results: Scoping Review of the Literature
Matthew Neu, Sara Knight
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B187 Relationships Between Medical Complexity Factors and Medication Confidence and Adherence Among Older Singaporean Adults
Stacey Ying Guo, Heather Whitson, Truls Ostbye, Alison Luciano, Rahul Malikota
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B188 Risk Factors for Poor Retention in HIV Care Using Clinic and Statewide Surveillance Data
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B189 Change in Duration of Post-Operative Antibiotic Prophylaxis in Esophagectomy Patients: Outcomes in a Single Academic Institution
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B190 Characterizing Delayed Transition to Adult Care in Children with Chronic Kidney Disease
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B191 Longterm Stability of Cortical Language Sites Following Resective Epilepsy Surgery
Robert Matthew Gramer, Sandra Seralini, David Madigan, Gerald Grant, George Ojemann
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B192 Are Atrial Fibrillation Patient-Reported Outcomes Associated with Person and Environment Characteristics?
Kelly Gleason, Cheryl Renee Dennison Himmelfarb
Johns Hopkins University School of Medicine

B193 How Interruptions Affect the Triage Process in the Emergency Department
Kimberly D. Johnson, Gordon L. Gillespie, Kimberly Vance
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B194 Adipose Tissue Measurements of Computed Tomography Scan Studies as a Possible Predictor of Cancer Recurrence After Radical Prostatectomy
Ana I. Ortiz, Juan C. Jorge, Lourdes Guerrero
University of Puerto Rico-Medical Sciences Campus

B195 Use of a Computer-Based Decision Tool to Optimize Shared Decision-Making Between Oncology Patients and Providers in Palliative Radiotherapy
Sara Alcorn, Scott Zeger, Theodore DeWeese, Thomas Smith
Johns Hopkins University School of Medicine
B196 A Multi-state Modeling Approach to Estimating the Expected Value of Personalized Risk Information for Lung Cancer Screening
Vaibhav Kumar, David Kent Joshua T. Cohen, David van Klaveren, Dijora I. Soesteman, John Wong, Peter J. Neumann Tufts University

B197 Diagnostic Performance of Ultrasonography in Cubital Tunnel Syndrome
Alexander Padovano, Daniel A. Osei, MD Washington University in St. Louis, Institute Of Clinical and Translational Sciences

B198 Institutional and Community Involvement Establishing ARresearch.org and Innovative Recruitment Results in Diverse Registrants
Jean C. McSweeney, David Robinson, Anthony McGuire, Pamela Christie, Sandra Hatley, Martha Rojo, Laura James University of Arkansas Translational Research Institute

B199 Muscular and Physical Performance Determinants of Patient Reported Outcome Scores After Unilateral Total Knee Arthroplasty
Paul Kline University of Kentucky Center for Clinical and Translational Science

B200 Validating Acute Urinary Retention using Diagnosis and Procedure Codes
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B201 Examining Spatial and Socio-demographic Disparities in Late-stage Breast Cancer Diagnosis
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B202 A Quality Improvement Project in a Tertiary Pediatric Hospital Improves Scheduling and Operational Efficiencies in the Operating Room
Vidya Chidambaram, Trung Du, Setanay Truncate-Kara, Matthew Frazier, Sandra Girten, Jennifer Anadio, Levi, Peter Sturm, Donna Allen Cincinnati Children’s Hospital Medical Center

B203 Vitamin A Supplementation for Preventing Morbidity and Mortality in Children from 6 Months to 5 Years of Age: A systematic Review and Meta-analysis
Aamer Imdad, Evan Mayo-Wilson, Zuftiqar Ahmed Bhutta Vanderbilt University

B204 The Impact of Preterm Birth <37 Weeks on Parents and Families: A Cross-sectional Study 2 Years After Discharge from the Neonatal Intensive Care Unit (NICU)
Ashwini Lakshmanan, Mehghana Agni, Tracy Liu, Eric Fleegler, Michele Kipke, Philippe Friedlich, Marie McCormick, Mandy Belfort University of Southern California

B205 ITP Coverage In Nurse-Led Screening of Child Tuberculosis Contacts
Nicole Salazar-Austin, Silvia Cohn, Grace Barnes, Molefi Tiadi, Katlego Matlhaoang, Neil Martinson, Richard E. Chaisson Johns Hopkins University School of Medicine

B206 The SDM Learning Loop Model
Sarah Ronis, Kurt Stange, Lawrence Kleinman Case Western Reserve University

B207 Parenting-related Determinants of Health-Related Quality of Life in Mothers With Metastatic Cancer
Eliza Myung Park, Allison M. Deal, Justin M. Yopp, Teresa Edwards, Zev M. Nakamura, Donald L. Rosenstein University of North Carolina School of Medicine

B208 Preliminary Outcomes from a Parent Training Pilot for Early Self-Injury in Young Children with Developmental Disabilities
Jill Cherie Fodstad, Micah Faidley, Noha Minshawi, David Dunn Indiana University School of Medicine

B209 Preliminary Efficacy of Service Dogs as a Complementary Treatment for Posttraumatic Stress Disorder (PTSD) in Military Veterans
Marguerite O’Haire, Kerri Rodriguez, Shelley MacDermid Wadsworth, Louanne Davis Purdue University

B210 Factors Associated with Urban Youth and Parent Perceptions of the Preventability of their Emergency Department Visit for an Assault-Related Injury
Antony Gatebe Kironji, Tina Cheng, Vanya Jones, Sarah Lindstrom Johnson, Joel Fein, Leticia Ryan Johns Hopkins University School of Medicine

B211 National Trends in Ambulatory vs. Emergency Department Visits for Low-Income Patients with Skin and Soft Tissue Infections
Brianna M. D’Orazio, Joel Correa da Rosa, Jonathan N. Tobin Clinical Directors Network

B212 Better Together Lebanon County: A Collaboration to Improve the Health Environment and Reduce Obesity Through Community-owned Initiatives
Erica Francis, Brianna Hoglen, Kara Shifler, Jennifer Kraschnewski, Jeanne Donlevy Arnold, Ruth Ellen Hogentogler, Pamela Witt Pennsylvania State University Clinical and Translational Science Institute

B213 Qualitative Study of CVS Risks Perception, Knowledge And Behavior Among Hypertensive African-Americans in South Bronx, NY
Maria Espejo, Balaventkatesh Kanna, Erida Castro-Rivas, Shirley Magabo, Tina Washington, Mohammad Faiz, LaShaun Trimble, Namita Tiwari, Euripides Roques, Andrea Faraci, Edgardo Guzman Lincoln Medical Center

B214 A Community-Academic Partnership to Understand the Correlates of Successful Aging in Place
Rhonda G. Kost Kimberly Vasquez, Dozene Guishard, William Dionne, Caroline Jiang, Cameron Coffran, Andrea Ronning, Glenis George-Alexander, Barry S. Collier, Jonathan N. Tobin Rockefeller University
B215 Establishment of the Tennessee-Sickle Cell Disease Network as a Mechanism for Engaging a Rare Disease Population in Patient Centered Outcomes Research
Tilicia Mayo-Gamble, Velma McBride Murry, Michael R. DeBaun
Vanderbilt University

B216 At-risk Tissue Volumes Vary Between Subjects with M1 Stem Occlusions: The Consistently Present Penumbra, Revisited
Meredith T. Bowen, Seena Dehkharghani, Raul G. Nogueira, Diogo C. Haussen, Mehdi Bouslama, Michael Frankel
Emory University

B217 Brain Thermometry to Detect Neuroinflammation in Traumatic Brain Injury
Kelsey Campbell, Joanne C. Lin, Robert C. Brunner, Thomas A. Novack, Jarred W. Younger
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B218 Incidence of T3a Up-staging and Survival After Partial Nephrectomy: Size-stratified rates and implications for prognosis
Arnav Srivastava, Hiten Patel, Max Kates, Zeyad Schwen, Gregory Joice, Alice Senerjian, Michael Gorin, Phillip Pierorazio, Mohammad E. Aliaf
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B219 Intraoperative Renal Resistive Index Prior to Cardiopulmonary Bypass in Patients with Aortic Valve Pathology
Benjamin Andrew, Anne D. Cherry, Jennifer N. Houck, Ryan M. Konoske, Cory D. Maxwell, Alina Nicoara, Mark Stafford-Smith
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B220 Single Center Long-Term Analysis of Combined Liver-Lung Transplant Outcomes
Kyle Freischlag, Brian Ezekian, Michael Mulvihill, Stuart Knechtle
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B221 Implications of Prostate Cancer Treatment in Men with Inflammatory Bowel Disease
Peter Kirk, Shail Govani, Tudor Borza, Brent Hollenbeck, Jennifer Davis, Deam Shurnway, Akbar Waljee, Ted Skolarus
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B222 Factors Associated with Readmission for Dehydration After Ileostomy Formation: an ACS-NSQIP analysis
Sophia Y. Chen, Miloslawa Stem, Marcelo Cerullo, Joseph K. Canner, Susan L. Gearhart, Bashar Safar, Sandy H. Fang, Jonathan E. Efron
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B223 Survival Differences Among Bladder Cancer Patients According to Gender: Critical Evaluation of Radical Cystectomy Use and Delay to Treatment
Stephen Bentley Williams, Jinhai Huo, Jacques Baillargeon, Simon Kim, Yong-Fang Kuo, Eduardo Ortiuela, Douglas Tyler, Stephen Freedland, Ashish M. Kamat
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B224 Decreasing Loss to Follow Up After Surgery for Meningioma
Whitney Muhlestein, Alice Song, David G. Schlundt, Lola B. Chambless
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B225 Exploring Mentoring Processes in Achieving Well-being Among Young Adults with Histories of Behavioral Health Challenges
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Credit Statements

Wednesday: 4.5 | Thursday: 9.0 | Friday: 4.0

Category 1

Creighton University Health Sciences Continuing Education designates this live activity for a maximum of 17.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAPA accepts AMA category 1 credit for the PRA from organizations accredited by ACCME.

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- Front Desk
- Concierge Retail Space
- Main Lobby
- Escalator to Exhibit Hall C
- Escalator to Exhibit Hall A/B
- Convention Registration Desk
- Marriott Ballroom
- Lobby Lounge
- Harry’s Pub
- Wardman Tower and Guest Rooms
- Congressional Room
- Porte Cochere
- Guest Entrance
- Locker Room
- Bus and Metro 24th Street Entrance
- Woodley Market
- Restrooms
- Capitol Boardroom
- Executive Office
- Elevator to Park Tower Guest Rooms and Garage
- Virginia Suite A B C
- Maryland Suite A B C
- Delaware Suite A
- Restrooms Women
- Restrooms Men