Getting Your Research Seen Can Be A Challenge. LET JCTS HELP

SUBMIT ARTICLES AT MC.MANUSCRIPTCENTRAL.COM/JCTS
### Schedule-at-a-Glance

**All events are open to Translational Science 2018 attendees unless otherwise noted. Please refer to the hotel floor plan on page 48 of the program.**

<table>
<thead>
<tr>
<th><strong>WEDNESDAY, APRIL 18</strong></th>
<th><strong>LOCATION</strong></th>
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<tbody>
<tr>
<td>8:00 AM - 5:00 PM</td>
<td>Challenges and Opportunities in Pediatric Clinical Trials - Investigator Workshop</td>
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<tr>
<th><strong>THURSDAY, APRIL 19</strong></th>
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<tbody>
<tr>
<td>7:15 AM - 12:30 PM</td>
<td>FDA Tour*</td>
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<tr>
<td>7:45 AM - 9:15 AM</td>
<td>Hill Day Advocacy Training*</td>
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<tr>
<td>9:00 AM - 12:30 PM</td>
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<td>CTSA Administrators’ Meeting*</td>
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<td>9:15 AM - 1:00 PM</td>
<td>Capitol Hill Visits*</td>
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<td>2:00 PM - 4:00 PM</td>
<td>Pre-Doc Directors Meeting</td>
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<tr>
<td>3:00 PM - 5:00 PM</td>
<td>Poster Hall Setup (Group A)</td>
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<tr>
<td>5:00 PM - 6:30 PM</td>
<td>Opening Plenary Session</td>
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<tr>
<td>6:30 PM - 8:00 PM</td>
<td>Opening Poster Hall Reception (Group A)</td>
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<tbody>
<tr>
<td>7:00 AM - 7:45 AM</td>
<td>Poster Hall Viewing &amp; Continental Breakfast (Group A)</td>
</tr>
<tr>
<td>8:00 AM - 9:00 AM</td>
<td>Plenary Session</td>
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<tr>
<td>9:15 AM - 10:15 AM</td>
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<tr>
<td>9:30 AM - 11:00 AM</td>
<td>Scholars Networking with Federal Training Partners*</td>
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<tr>
<td>10:30 AM - 11:30 AM</td>
<td>Concurrent Sessions</td>
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<tr>
<td>10:30 AM - 11:30 AM</td>
<td>Top Ten Clinical Research Achievement Awards</td>
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<tr>
<td>11:00 AM - 1:00 PM</td>
<td>Poster Hall Viewing (Group B)</td>
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<tr>
<td>11:45 AM - 12:45 PM</td>
<td>PACER SIG Meeting</td>
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<tr>
<td>11:45 AM - 1:00 PM</td>
<td>Top Ten Mentor Lunch**</td>
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<tr>
<td>11:45 AM - 1:00 PM</td>
<td>Pre-Doctoral Lunch*</td>
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<tr>
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<td>CR Forum Concurrent Session: Biomedical Research in the New Administration</td>
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<td>Take It From TED: Using TEDTalk Principles to Improve Your Presentations by the ACTS Education Committee</td>
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<td>2:15 PM - 3:15 PM</td>
<td>SIG Meetings (CCRCC, Education Administrators, Evaluation, Research Operations, Regulatory Science)</td>
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<tr>
<td>2:15 PM - 3:15 PM</td>
<td>Poster Hall Viewing (Group B)</td>
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<tr>
<td>2:15 PM - 3:15 PM</td>
<td>Speed Mentoring (Pre-and post doc; two sessions will be offered at 2:15 pm and 3:30 pm)</td>
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<tr>
<td>3:30 PM - 4:30 PM</td>
<td>Concurrent Sessions</td>
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<tr>
<td>3:30 PM - 5:30 PM</td>
<td>CR Forum Concurrent Session: Broadly Engaged Team Science</td>
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<tr>
<td>4:45 PM - 5:45 PM</td>
<td>Oral Presentations</td>
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<tr>
<td>6:00 PM - 7:00 PM</td>
<td>Presentations by Award Winners</td>
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<tr>
<td>6:00 PM - 7:30 PM</td>
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<td>6:45 AM - 7:30 AM</td>
<td>Continental Breakfast</td>
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<td>7:00 AM - 7:30 AM</td>
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<tr>
<td>7:45 AM - 8:45 AM</td>
<td>Plenary Session</td>
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<tr>
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<tr>
<td>10:15 AM - 11:15 AM</td>
<td>Concurrent Sessions</td>
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<tr>
<td>10:15 AM - 11:45 AM</td>
<td>Leadership Development: Effective Communication and Conflict Management (Workshop)</td>
</tr>
<tr>
<td>10:15 AM - 12:30 PM</td>
<td>State-of-the-Art Methods for Analyzing Randomized Clinical Trials: Case Studies and Software (Extended Session)</td>
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<tr>
<td>11:30 AM - 12:30 PM</td>
<td>Concurrent Sessions</td>
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</table>
Translational Science 2018 Award Winners

Edward H. Ahrens, Jr. Distinguished Investigator Award:
Daniel J. Rader, MD
Perelman School of Medicine at the University of Pennsylvania

Clinical and Translational Research Distinguished Educator Award:
Lawrence F. “Skip” Brass, MD, PhD
Perelman School of Medicine at the University of Pennsylvania

Translation from Early Clinical Use to Applicability for Widespread Clinical Practice:
James G. Krueger, MD, PhD
The Rockefeller University

Team Science Award:
Roy S. Herbst, MD, PhD
Yale School of Medicine, MD Cancer Immunotherapy Research

Translation from Clinical Use into Public Benefit and Policy:
Jayme Locke, MD
University of Alabama at Birmingham

AFMR Junior Physician Investigator Award:
Jennifer Alexander-Brett, MD, PhD
Washington University School of Medicine in St. Louis

2017 Research Starter Grants in Translational Medicine and Therapeutics
Mark Ebbert, PhD
Mayo Clinic, Department of Neuroscience

2017 Research Starter Grants in Translational Medicine and Therapeutics
A. Hunter Shain, PhD
University of California San Francisco, Department of Dermatology

2017 Research Starter Grants in Translational Medicine and Therapeutics
Qun Wang, PhD
Iowa State University Chemical and Biological Engineering Department
Clinical Research Forum
Top Ten Clinical Research Achievement Awards

Florian Eichler, MD
Massachusetts General Hospital
Gene Therapy Halts Progression of Cerebral ALD
Herbert Pardes Clinical Research Excellence Award

Timothy McAlindon, DM, MPH
Tufts Medical Center
Effect of Intra-articular Triamcinolone vs Saline on Knee Cartilage Volume and Pain
Distinguished Clinical Research Achievement Award

Jerry Mendell, MD
Nationwide Children’s Hospital and The Ohio State University
Single-Dose Gene-Replacement Therapy for Spinal Muscular Atrophy
Distinguished Clinical Research Achievement Award

Pablo Tebas, MD
University of Pennsylvania
Anti-Zika Virus DNA Vaccine

Suresh Vedantham, MD
Washington University in St. Louis
ATTRACT Trial Concludes Clot-busting Drugs Do Not Prevent Long-Term Blood Clot Complications for Most Patients

David Thaler, MD, PhD, FAHA
Tufts Medical Center
Long-Term Outcomes of Patent Foramen Ovale Closure or Medical Therapy after Stroke

Nirali N. Shah, MD, MHSc
National Cancer Institute
New CAR T-Cell Therapy for Relapsed Leukemia Patients

Andrew B. Goldstone, MD, PhD
University of Pennsylvania
Risk/Benefit Comparison of Mechanical and Biologic Valve Replacements

Danish Saleheen, MBBS, PhD
University of Pennsylvania
The Human Knockout Project

Marina Caskey, MD
The Rockefeller University
Treatment and Prevention of HIV-1 Infection by Highly Potent Neutralizing Monoclonal Antibodies
Schedule of Events

**WEDNESDAY, APRIL 18**

**8:00 AM – 5:00 PM**

Challenges and Opportunities in Pediatric Clinical Trials – Investigator Workshop
Madison

**THURSDAY, APRIL 19**

**7:15 AM – 12:30 PM**

FDA Tour
Meet in Marriott Lobby (near Harry’s Pub) at 7:00 AM
Pre-registration required

**7:45 AM – 9:15 AM**

Hill Day Advocacy Training
Roosevelt 1 & 2
Pre-registration required

**9:00 AM – 12:30 PM**

NIH TOUR
Meet in Marriott Lobby (near Harry’s Pub) at 8:45 AM
Pre-registration required

**9:00 AM – 4:00 PM**

CTSA Administrators’ Meeting
Roosevelt 4
Pre-registration required

**9:15 AM – 1:00 PM**

Capitol Hill Visits
Transportation provided following Advocacy Training
Depart from Marriott Lobby (near Harry’s Pub) at 9:15 AM
Pre-registration required

**2:00 PM – 4:00 PM**

Pre-Doctoral Directors Meeting
Roosevelt 3

**2:00 PM – 5:00 PM**

Mock Study Session
Roosevelt 1 & 2
Pre-registration required

**3:00 PM – 4:00 PM**

Evaluation SIG Meeting
Hoover

**3:00 PM – 4:30 PM**

Research on a Napkin
Washington 6

**3:00 PM – 5:00 PM**

Poster Hall Setup (Group A)
Exhibit Halls A & B South

**5:00 PM – 6:30 PM**

Opening Plenary Session
Marriott Ballroom
Science and technology are moving at an extremely rapid pace, with breakthroughs occurring that have the potential to transform health and medicine. Dr. Dzau will discuss these breakthroughs and their implications for health, medicine and society with a focus on translational research.

Victor Dzau, MD, National Academy of Medicine

**6:30 PM – 8:00 PM**

Opening Poster Hall Reception (Group A)
Exhibit Halls A & B South

**FRIDAY, APRIL 20**

**7:00 AM – 7:45 AM**

Poster Hall Viewing and Continental Breakfast (Group A)
Exhibit Halls A & B South

**8:00 AM – 9:00 AM**

Plenary Session
Marriott Ballroom
Dr. Lifton will discuss the intersection of human genetics and clinical and basic science, highlighting research in hypertension and related areas that have been translated between bench and bedside.

Richard P. Lifton, MD, PhD, The Rockefeller University
9:15 AM - 10:15 AM

Concurrent Sessions

AI and Machine Learning in Clinical Research: Experience in Implementation
Roosevelt 1
This session focuses on experience with advanced intelligence (AI) technologies in clinical and research environments, emphasizing lessons learned and how these experiences should shape future development of AI and machine learning in medicine.

Presented by:
Robert Kimberly, MD, University of Alabama at Birmingham
Michael Liebman, PhD, IPQ Analytics
Beth DiGiullian, MS, Booze Allen Hamilton
Session planned by AAMC

CTSA One Health Alliance: Understanding the Benefits of Natural Animal Models of Cancer and Cardiac Disease
Roosevelt 2
The mission of the CTSA One Health Alliance is to advance our understanding of diseases shared by humans and animals. Session will focus on cancer and heart disease.

Presented by:
Carolyn Henry, DVM, MS, DACVIM, University of Missouri College of Veterinary Medicine
Kathryn Meurs, DVM, PhD, NC State University College of Veterinary Medicine
Session planned by ACTS

How to Write a Successful Career Development (K) Award
Roosevelt 3
Key requirements of a successful KL2 application, including the critical ingredients of a successful KL2 mentorship team and how to avoid common pitfalls made by applicants in unsuccessful KL2 applications.

Presented by:
Kathryn Sandberg, PhD, Georgetown - Howard Universities
Jason G. Umans, MD, PhD, Georgetown - Howard Universities
Session planned by ACTS

#DiversityMatters: Biostatisticians’ Contributions to Increasing the Diversity and Success of the Clinical Investigator Workforce
Roosevelt 4
This panel will highlight strategies employed by biostatisticians to enhance recruitment of diverse, STEM-trained individuals into the clinical investigator workforce, and increase the retention and success of diverse, clinical investigators.

Presented by:
Emma K.T. Benn, DrPH, MPH, Icahn School of Medicine at Mount Sinai
Felicity Enders, PhD, MPH, Mayo Clinic
Sally W. Thurston, PhD, University of Rochester Medical Center
Doris Rubio, PhD, University of Pittsburgh
Session planned by ACTS

Team Science to Advance Translational Research
Virginia A/B/C
The session will highlight the characteristics of collaborative teams in advancing translational science, including approaches to enhance team science and lessons from industry teams involved in drug development and discovery.

Presented by:
Scott Steele, PhD, University of Rochester Medical Center
Allan Brasier, MD, University of Wisconsin - Madison School of Medicine and Public Health
Husseini Manji, MD, FRCPC, Janssen Pharmaceuticals
Session planned by ACTS

From Data to Daily Life: Tools for Translating Research and Knowledge into Practice
Maryland A/B/C
This panel will explore how community engaged research must account for the context of research activities when generating, implementing, and disseminating evidence, practices, and projects.

Presented by:
Linda Cottler, PhD, MPH, FACE, University Of Florida Clinical and Translational Science Institute
Sergio Aguilar-Gaxiola, MD, PhD, University of California, Davis
Paris Davis, PhD, MBA, TRCDO/Pastors-PCOR
Abel Kho, MD, Northwestern University
Session planned by ACTS

9:30 AM – 11:00 AM

Scholars Networking with Federal Training Partners
Marriott Ballroom
Join this session to meet face-to-face with a representative from key federal agencies, such as AHRQ, PCORI, FDA, VA, and NIH. This session allows you to be matched with federal training officials who best match your research interests.

Presented by:
Kishena Wadhwani, PhD, MPH, AHRQ
Diane Bild, MD, MPH, PCORI
Yolanda Mock Hawkins, PhD, MBA, FDA
Pre-registration required
10:30 AM – 11:30 AM

Concurrent Sessions

Precision Medicine: Challenges and Opportunities to Advance Personalized Medicine
Roosevelt 1
This session will explore genomics, deep clinical phenotyping, and drug discovery and repurposing in advancing individualized clinical therapeutics, and advancing these insights through ultimate approval and adoption in clinical care.

Presented by:
Robert Kimberly, MD, University of Alabama at Birmingham
Matthew Might, PhD, University of Alabama at Birmingham
Jacqueline Corrigan-Curay, JD, MD, CDER
Session planned by AAMC

Optimizing the Development and Deployment of Clinical Prediction Algorithms in the Electronic Health Record
Roosevelt 2
A panel will review current practices for working with electronic health records to develop clinical prediction algorithms, and explore approaches to implementation of the algorithms into electronic workflow.

Presented by:
Susan Perkins, PhD, Indiana University School of Medicine
Chris Lindsell, PhD, Vanderbilt University Medical Center
Peter Embi, MD, MS, FACP, FACMI, Regenstrief Institute, Inc.
Session planned by ACTS

Rigor and Reproducibility in Translational Science
Roosevelt 3
This session will explore some of the current challenges related to rigor and reproducibility in translational science and highlight approaches that have been utilized to address this issue.

Presented by:
Kathryn Sandberg, PhD, Georgetown-Howard Universities
Alex L. Kolodkin, PhD, Johns Hopkins University School of Medicine
Alison Farrell, PhD, Nature Medicine
Session planned by ACTS

Successful Career Destinations for Translational Researchers
Roosevelt 4
The session will describe several successful career pathways for translational researchers that is not the traditional, academic, principal investigator model.

Presented by:
Anthony Windebank, MD, Mayo Clinic
Richard McFarland PhD, MD, Advanced Regenerative Manufacturing Institute
Alexandra Greenberg-Worisek, PhD, Mayo Clinic College of Medicine and Science
Karen Weiss, PhD, LP, Janssen Pharmaceuticals
Session planned by ACTS

Development of New Tools for Evaluation of Training
Virginia A/B/C
Two perspectives: One project aims to enable indexing, classifying, and discovery of tools in practice across the CTSA; another demonstrates leveraging LMS collaboration tools for skill assessment and knowledge checks.

Presented by:
Thomas Perorazio, PhD, University of Michigan School of Medicine
Carolyn T. Jones, DNP, MSPH, Ohio State University College of Nursing
Karen Weavers, MEd, Mayo Clinic
Becca Gas, MS, Mayo Clinic
Session planned by ACTS

A Community-Academic Translational Research and Learning Collaborative to Evaluate the Associations Among Biological, Social and Nutritional Status For Adolescent Women and their Babies Using Electronic Health Records (EHR) Data
Maryland A/B/C
This session describes strategies and infrastructure of a community-academic collaborative to evaluate biological, social and nutritional factors affecting adolescent women and offspring using EHR Data for hypothesis generation and testing.

Presented by:
Milton Eder, PhD, University of Minnesota CTSI
Rhonda G. Kost, MD, The Rockefeller University
Jonathan N. Tobin, PhD, Clinical Directors Networks, Inc.
Daryl Wieland, MD, MS-MI, FACOG, NYC Health and Hospitals/ Jacobi Bronx, NY
Session planned by ACTS

Top Ten Clinical Research Achievement Awards
Delaware A/B
This session will feature presentations from this year’s Top Ten Clinical Research Achievement Award winners.

Presented by:
Suresh Vedantham, MD, Washington University School of Medicine in St. Louis
David Thaler, MD, PhD, FAHA, Tufts Medical Center
Andrew Goldstone, MD, PhD, University of Pennsylvania
Session planned by CR Forum

11:00 AM – 1:00 PM

Poster Hall Setup (Group B)
Exhibit Halls A & B South

11:45 AM – 12:45 PM

PACER SIG Meeting
Hoover

11:45 AM – 1:00 PM

Top Ten Mentor Lunch
Marriott Ballroom
By Invitation Only
11:45 AM – 1:00 PM
Pre-Doctoral Lunch
Wilson
Pre-registration required

1:00 PM – 3:15 PM
BERD Sig Meeting
Hoover

1:00 PM – 2:00 PM
Concurrent Sessions

Emerging Role of Digital Medicine in Clinical and Translational Science
Roosevelt 1
Session will explore current and future approaches to utilize digital medicine for research and clinical applications, highlighting both opportunities and challenges to advance these technologies to ultimate approval and adoption.

Presented by:
Scott Steele, PhD, University of Rochester Medical Center
Rob Califf, MD, Duke University
Ray Dorsey, MD, MBA, University of Rochester Medical Center

Session planned by ACTS

Serendipity in Science
Roosevelt 2
Listen to renowned experts present how serendipity shaped their science and careers.

Presented by:
David Center, MD, Boston University
Garret Fitzgerald, MD, University of Pennsylvania School of Medicine

Session planned by AFMR

Novel Approaches to Successful Grant Writing
Roosevelt 3
This session will introduce a novel way for teaching and learning the skill of writing NIH-style research proposals. Attention will also be given to key elements of transitioning from K to R funding.

Presented by:
Jeffrey Engler, PhD, Council of Graduate Schools

Session planned by ACTS

Enabling Entrepreneurship
Roosevelt 4
Explore resources available through nine NCATS hubs for training in entrepreneurship and demonstrate the I-Corps methodology developed by the National Science Foundation. Session participants will be engaged in real-world entrepreneurial experiences.

Presented by:
Stephen Ekker, PhD, Mayo Clinic
Molly Wasko, PhD, University of Alabama Birmingham

Session planned by ACTS

Increasing Effective Research Collaboration: Novel Team Science Approaches
Virginia A/B/C
Session features programs for developing better training and assessment methods for scholars in team science. Programs identify practical steps for training in specific domains, and assessment methods for measuring successful collaborations.

Presented by:
Thomas Perorazio, PhD, University of Michigan School of Medicine
Maritza Salazar Campo, PhD, MSW, University of California, Irvine
Judith Olson, PhD, University of California, Irvine
Marie K. Norman, PhD, University of Pittsburgh

Session planned by ACTS

Real World Experience in Community Engagement: From Clinical Trials to Clinical Care
Maryland A/B/C
This panel explores real world community engagement experiences across diverse, minority, senior and disease-burdened populations to address how limited inclusion affects the relevance of research results to clinical practice.

Presented by:
Michael Liebman, PhD, IPQ Analytics
Kenny Simansky, PhD, Drexel University College of Medicine
Allen Glicksman, PhD, Philadelphia Corporation for Aging
Scott Siegel, PhD, Christiana Care Health System

Session planned by ACTS

Top Ten Clinical Research Achievement Awards
Delaware A/B
This session will feature presentations from this year’s Top Ten Clinical Research Achievement Award winners.

Presented by:
Pablo Tebas, MD, University of Pennsylvania
Nirali Shah, MD, MHSc, National Cancer Institute
Danish Saleheen, MBBS, PhD, University of Pennsylvania
Marina Caskey, MD, The Rockefeller University

Session planned by CR Forum
2:15 PM – 3:15 PM

Biomedical Research in the New Administration

Delaware A/B

Discussion of policies affecting biomedical research and its funding by Washington insiders.

Presented by:
Jessica Amrao McNiece, U.S. Senator Richard J. Durbin
Desiree Mowry, U.S. Senator Roy Blunt

Session planned by CR Forum

Take It From TED: Using TEDTalk Principles to Improve Your Presentations

Maryland A/B/C

Through both a didactic and activity based learning exercise, participants will come away with the initial tools and framework to develop and deliver an impactful TED Talk.

Presented by:
Marie Norman, PhD, University of Pittsburgh

Session planned by the ACTS Education Committee

SIG Meetings

CCRCC: Roosevelt 2
Education Administrators: Wilson A/B/C
Evaluation: Updated Evaluation Guidelines for CTS Program: Roosevelt 3
Research Operations: Virginia A/B/C
Regulatory Science: Roosevelt 1

Poster Hall Viewing (Group B)

Exhibit Halls A & B South

Speed Mentoring

Marriott Ballroom

Pre- and post-doctoral; two sessions at 2:15 PM and 3:30 PM

Translational Science 2018 will be hosting an hour-long speed mentoring session with two time options for attendance (2:15 PM and 3:30 PM). Speed mentoring allows mentees to connect with five senior scientists over the course of an hour for mini-discussions. Speed mentoring is a great way to expand your network, ask pointed questions, get advice about finding resources, seek candid feedback, and chat informally about life in research with people who know the ropes.

3:30 PM – 4:30 PM

Concurrent Sessions

The Changing Regulatory Environment for Clinical Research: The Common Rule, Clinical Trials, and Addressing Regulatory Burden

Roosevelt 1

This session provides an overview of the revised Common Rule, new clinical trial regulations, and the 21st Century Cures Act, and discusses how institutions are navigating this new environment.

Presented by:
Jennifer K. Larsen, MD, University of Nebraska Medical Center
Heather Pierce, JD, MPH, AAMC
Gordon Bernard, MD, Vanderbilt University Medical Center

Session planned by AAMC

Optimizing Use of REDCap in Research

Roosevelt 2

This session will outline the process of moving a research study database in REDCap from development through to production and live data capture, incorporating perspectives from each study team member.

Presented by:
Jody Ciolino, PhD, Northwestern University

Session planned by ACTS

Utilizing Patient Stakeholders when Designing Clinical Research

Roosevelt 3

This session will present innovative ways to engage patient stakeholders in clinical research, including design and execution of clinical studies.

Presented by:
Cherry Wontrakool, MD, Emory University
Pat Furlong, RN, BSN, Parent Project Muscular Dystrophy
Yvonne Lin, MD, MS, Genentech-Roche

Session planned by AFMR

Using Big Data and Network Science to Measure CTSA Impact

Roosevelt 4

This session features a unique data infrastructure for evaluating the work of CTSA, focusing on trainee career outcomes and a network science initiative to study faculty collaborations and interdisciplinary team science.

Presented by:
Jason Owen-Smith, PhD, MBA, University of Michigan School of Medicine
Raffaele Vacca, PhD, University of Florida

Session planned by ACTS

Schedule of Events (continued)
How to Write a Successful F-Award
Virginia A/B/C
Participants will learn how to put together a successful application for a NIH F-award to support their pre-doctoral research as a PhD or MD-PhD student or as a postdoctoral fellow.

Presented by:
Linda M McManus, PhD, University of Texas Health Science Center San Antonio
Stephen Ekker, PhD, Mayo Clinic
Session planned by ACTS

Eliminating Disparities by Improving Health Outcomes: Case Studies in Optimal Experiences Translating Science into Practice
Maryland A/B/C
Learn from the success stories of experts in clinical and translational research with minorities and underrepresented populations.

Presented by:
Iuliana Shapira, MD, SUNY Downstate Medical Center
Eliseo J. Perez-Stable, MD, NIMHD
Carla Boutin-Foster, MD, SUNY Downstate Medical Center
Session planned by ACTS

3:30 PM – 5:30 PM
Broadly Engaged Team Science: Panel on Guidelines and Implementation at Academic Health Centers
Delaware A/B
The practice of broadly engaged team science provides opportunities and obstacles for Academic Health Centers. This session will discuss what some of the barriers and opportunities are, and provide best practice examples.

Presented by:
Harry Selker, MD, MSPH, Tufts University
Joe V. Selby, MD, PCORI
Mary Sue Coleman, MD, American Association of Universities
Elaine Gallin, PhD, QE Philanthropic Advisors
Session planned by CR Forum

4:45 PM – 5:45 PM
Concurrent Distinguished Pre- and Post-Doctoral Oral Presentations
See pages 10 - 12 for full schedule of speakers and rooms.

SATURDAY, APRIL 21

6:45 AM - 7:30 AM
Continental Breakfast
Marriott Ballroom Foyer

7:00 AM – 7:30 AM
ACTS Annual Member Meeting
Maryland

7:45 AM – 8:45 AM
Plenary Session
Marriott Ballroom
The Closing Plenary session will explore the issue of scientific communication, focusing on communicating your science to a lay audience. Two expert panelists will share their wisdom and experience of best practices.

Robert P. Kimberly, MD, University of Alabama at Birmingham
Karen Kaplan, Los Angeles Times
Alan Leshner, MD, American Association for the Advancement of Science (AAAS)

9:00 AM – 10:00 AM
Concurrent Distinguished Pre- and Post-Doctoral Oral Presentations
See pages 10 - 12 for full schedule of speakers and rooms.

10:15 AM – 11:15 AM
Concurrent Sessions
Improving Research Mentoring Relationships from the Middle
Roosevelt 3
CTSA K-scholars and T-trainees serve roles as research mentors and mentees. Through small group activities, case study discussions, and links to online resources, participants will reflect on dual roles.

Presented by:
Christine Pfund, PhD, University of Wisconsin
Christine Sorkness, PharmD, University of Wisconsin
Session planned by ACTS

Dissemination and Implementation of Research: Bridging Research to Practice and Policies
Roosevelt 4
Learn from the experts about the complex fit between evidence and evidence-based interventions, and the diversity of community and clinical settings where health and health care is delivered.

Presented by:
Kathleen Stevens, RN, EdD, FAAN, University of Texas Health Science Center San Antonio
David Chambers, DPhil, NCI
Session planned by ACTS
Innovations in Academic-Industry Partnerships
Roosevelt 5
Academics often collaborate with industry to develop therapeutics and devices; however, different goals, processes, and constraints exist. This session highlights these unique aspects in support of developing a more effective partnership.

Presented by:
Michael Schivo, MD, MAS, University of California, Davis
Michael Liebman, PhD, IPQ Analytics
Nicholas Sarlis, MD, PhD, FACP, Sellas Life Sciences Group
Session planned by AFMR

Community Health Needs Assessments: Catalyst for Community Engaged Research?
Maryland A/B/C
Community Health Needs Assessments (CHNA) provide academic health centers opportunities to engage communities. This panel explores using a CHNA to create a social contract, including planning clinical research activities.

Presented by:
Milton Eder, PhD, University of Minnesota CTSI
Paula Fleisher, MA, University of California, San Francisco
Michelle Lyn, MBA, MHA, Duke University
Philip Alberti, PhD, AAMC
Session planned by ACTS

10:15 AM – 11:45 AM
Leadership Development: Effective Communication and Conflict Management
Roosevelt 1
Participants will learn and practice specific conflict-management behaviors encountered in collaborative pursuits that are associated with effective academic leaders.

Presented by:
Irena Tartakovsky, MD, MS, AAMC
Constance M. Filling, EdD, AAMC
Deborah L. Helitzer, ScD, Arizona State University
Session planned by AAMC

10:15 AM – 12:30 PM
State-of-the-Art Methods for Analyzing Randomized Clinical Trials: Case Studies and Software
Roosevelt 2
This session presents two methods for improving the analysis of randomized trials: covariate adjustment to increase precision and reduce bias; sensitivity analysis for reporting results in the presence of missing outcome data.

Presented by:
Daniel Oscar Scharfstein, ScD, John Hopkins
Michael Aaron Rosenblum, PhD, John Hopkins
Presented by ACTS

11:30 AM – 12:30 PM
Concurrent Sessions

Broad Career Development Plans for Clinical and Translational Scientists
Roosevelt 3
New scientists may not fit in the paradigm of traditional academics. This session aims to illustrate broad career development plans for today’s clinical and translational scientist trainees.

Presented by:
Michael Schivo, MD, MAS, University of California, Davis
Emma Meagher, MD, University of Pennsylvania School of Medicine
Fredrick J. Meyers, MD, MACP, University of California, Davis
Session planned by AFMR

The Role for Translational Science to Address the Opioid Crisis
Roosevelt 4
This session will focus on the opioid crisis, considering strategies to more effectively treat pain, limit inappropriate prescribing, and facilitate the return or disposal of unused opioids in the community.

Presented by:
Michael Kurilla, MD, PhD, NCATS
Carlos Blanco, MD, PhD, NIDA
Chad Brummett, MD, University of Michigan School of Medicine
Session planned by ACTS

Biostatistics and Data Science: Identifying their Complementary Roles in Clinical and Translational Research
Roosevelt 5
The speakers (a clinician/data scientist and biostatistician/data scientist) will share, through personal examples, their perspectives and experiences collaborating with investigators trained in biostatistics, informatics, computer science, and other quantitative fields.

Presented by:
Nichole Carlson, UPhD, University of Colorado at Denver
Tell Bennett, MD, University of Colorado Department of Pediatrics
Rickey Carter, PhD, Mayo Clinic
Session planned by ACTS
Concurrent Distinguished Pre-Doctoral and Post-Doctoral Oral Presentations

Friday, April 20 | 4:45 PM – 5:45 PM

**Maryland A/B/C**

A Patient-Friendly Research Participant Registry: The UT Southwestern Volunteer Research Participant Registry
Kathleen Wilkinson, UT Southwestern Medical Center

Reproducibility of Electronic Health Record Research Data Requests
Ram Gouripeddi, The University of Utah School of Medicine

Development of an Instrument to Identify Factors Influencing Point of Care Recruitment in Primary Care Settings: A Pilot Study at University of Utah Health
Teresa Taff, The University of Utah School of Medicine

Exposure to Violence Correlated to Elevated Immunoglobulin E and Epstein Barr Virus Levels in African American Young Adults
Latifa Jackson, Georgetown - Howard Universities

Prediction of 90-Day Readmission among Kidney Transplant Recipients Using Natural Language Processing
Michael Arenson, Emory University

**Roosevelt 2**

Mucoidal Pseudomonas Aeruginosa Infection is Associated with Regional Inflammation in the Cystic Fibrosis Lung
Sankalp Malhotra, The Ohio State University

Identifying the Role and Immunobiological Mechanisms of Fli-1 Mediated Pathogenicity in Graft-versus-Host Disease
Steven Schutt, Medical University of South Carolina

Antibiotics, Early-Life Microbiota, and Susceptibility to Asthmatic Disease
Timothy C. Borbet, NYU - H+H Clinical and Translational Science Institute

Regulation of Retinal Protein O-GlcNAcylation by Angiotensin-(1-7) and cAMP
Sadie Dierschke, Penn State Clinical and Translational Science Institute

Comparing Metabolic Labeling of Human Tumors at Different Anatomic Sites
Divya Bezwada, University of Texas Southwestern Medical Center Dallas

**Roosevelt 1**

Use of Forced Air Warming Devices to Induce Feverrange Hyperthermia in Critically Ill Septic Patients
Anne Meredith Drewry, Washington University in St. Louis, Institute Of Clinical and Translational Sciences

Screening for Multi-Drug Resistant Gram-Negative Bacilli in Critically Ill Burn Patients Predicts Subsequent Bacterial Etiology of Infection
Anne Monica Lachiewicz, University of North Carolina School of Medicine

Kidney Transplantation: A High Risk State for Prediabetes and Diabetes
Francis Tinney, Jr., University of Texas Health Science Center San Antonio

Rapidly Resolving Acute Respiratory Distress Syndrome: A Secondary Analysis of the ARDS Network Randomized Controlled Trials
Edward J. Schenck, Weill Cornell Medicine

Low Cholesterol Efflux Capacity and Abnormal Lipoprotein Particles in Youth with Type 1 Diabetes
Evgenia Gourgari, Georgetown - Howard Universities

**Roosevelt 3**

Characterizing Specialized Pro-Resolving Lipid Mediators and Synthesis Pathways in Veterans with Peripheral Artery Disease
Joel Ramirez, University Of California, San Francisco

A Novel Multi-Photon Microscopy Method for Neuronavigation in Deep Brain Stimulation Surgery
Nicholas Matthew George, University of Colorado at Denver

Sexual Dimorphism in a Mouse Model of Syndromic Thoracic Aortic Aneurysm
Zheying Chen, University of Kentucky Center for Clinical and Translational Science

Augmenting Perception Through Direct Electrical Stimulation of Adult Somatosensory Cortex
Yohannes Ghenbot, University of Pennsylvania School of Medicine

MicroRNA-451: A Potential Key Player in the Development of Diabetic Nephropathy in an Insulin Resistant Mouse Model
Maurice B. Fluitt, Georgetown - Howard Universities
Concurrent Distinguished Pre-Doctoral and Post-Doctoral Oral Presentations (continued)

**Roosevelt 4**

First Year Medical Student Characteristics Associated with Readiness to Talk about Race
Brooke Cunningham, University of Minnesota CTSI

Perspectives on Increasing Competency in Using Digital Practices and Approaches to Enhance Clinical Translational Research: A Qualitative Study
Katja Reuter, University of Southern California

InCHoIR Learning Lab: a TL1 and Workforce Development Initiative at Mount Sinai
Emma K.T. Benn, Icahn School of Medicine at Mount Sinai

Graduate Student Training Takes A New Format: “Avoiding The Kiss of Death”
Tracey Baas, University of Rochester Medical Center

**Maryland A/B/C**

A Multicenter Study of Fecal Microbiota Transplantation for Clostridium Difficile Infection in Children
Maribeth R. Nicholson, Vanderbilt University Medical Center

TL1 Team Approach to Social and Genetic Determinants of Nocturnal Blood Pressure
Leanne Dumeny, University of Florida Clinical and Translational Science Institute

Evaluation of the Current Status of Urologic Training Programs in the Delivery of Transgender Care
Daniel Schoenfeld, Albert Einstein College of Medicine

Benjamin Andrew, Duke University

How have Characteristics of End-of-Life Family Care Giving Changed from 1999 to 2015? Preliminary Results from Two Waves of Nationally Representative Data
Judith Vick, Johns Hopkins University School of Medicine

**Virginia A/B/C**

Risk of Readmission After Discharge from Skilled Nursing Facilities Following Heart Failure Hospitalization
Himali Weerahandi, NYU - H+H Clinical and Translational Science Institute

Shared Decision Making in Child Health: A Qualitative Study of Parents of Children with Medical Complexity
Jody Lin, Stanford University School of Medicine

Early Findings from a Real-World RCT: Acceptance and Commitment Therapy (ACT) for Persistent Pain in an Integrated Primary Care Setting
Kathryn E. Kanzler, University of Texas Health Science Center San Antonio

Impact of Primary Care Physician Gatekeeping on Medication Prescriptions for Atrial Fibrillation
Andrew Young Chang, Stanford University School of Medicine

Risk Factors for Prescription Opioid Misuse After Traumatic Injury in Adolescents
Teresa Maria Bell, Indiana University School of Medicine

**Roosevelt 1**

A Cluster-Randomized Trial of Symptom-based versus TST-based Screening of Pediatric Household TB Contacts to Improve IPT Uptake
Nicole Salazar-Austin, Johns Hopkins University School of Medicine

Targeting Pulsatile Load to Increase Exercise Capacity and Quality of Life After TAVR for Severe Aortic Stenosis
Anupam Kumar, University of Pennsylvania School of Medicine

Uterine Serous Carcinoma is Associated with a High Risk of Venous Thromboembolism Regardless of Latency from Surgical Staging
Gregory M. Gressel, Albert Einstein College of Medicine

The Impact of Past 10-year and Current Alcohol Consumption Patterns on Progression of Carotid Intima Media Thickness Among Persons Living with HIV
Natalie Chichetto, Vanderbilt University Medical Center

Big Data Approaches in Translational Science: The Influence of Psychiatric and Trauma History in Predicting Future Smoking During Pregnancy in a Cohort of Female Like-Sex Twin Pairs
Alexandra Noel Houston-Ludlam, Washington University in St. Louis, Institute Of Clinical and Translational Sciences
Saturday, April 21 | 9:00 AM – 10:00 AM
(continued)

**Roosevelt 2**

Cardiac Injury Due to Streptococcus Pneumoniae Invasion During Severe Pneumococcal Pneumonia in a Novel Non-Human Primate Model
Luis F. Reyes, University of Texas Health Science Center San Antonio

Atopic Dermatitis and Ethnicity: Defining Variations in Molecular Phenotypes
Riana Dutt Sanyal, Icahn School of Medicine at Mount Sinai

Drug Screening and Hit Identification for Night Blindness with Zebrfish
Logan Ganzen, Indiana University School of Medicine

Predictive Cytological Topography (PiCT): A Radiopathomics Approach to Mapping Prostate Cancer
Sean D. McGarry, Medical College of Wisconsin

Collagen Type I and II Blend Hydrogels for Articular Cartilage Tissue Engineering
Claire Elizabeth Kilmer, Purdue University

**Roosevelt 3**

Sodium-Glucose Transporter 2 is a Novel Diagnostic and Therapeutic Target for Early-Stage Lung Adenocarcinoma
Claudio Scafoglio, David Geffen School of Medicine at UCLA

Associations Between Inflammatory Markers and Negative Symptoms in Individuals with Schizophrenia: Converging Evidence
David Goldsmith, Emory University

Mechanisms of Acquired Resistance to Gilteritinib Therapy in Relapsed and Refractory FLT3-Mutated Acute Myeloid Leukemia
Christine McMahon, University of Pennsylvania School of Medicine

Extracellular Matrix as a Novel Approach to Glioma Therapy
Mark H. Murdock, University of Pittsburgh

**Roosevelt 4**

Exploring Müller Cell-Cone Interactions in Human Fovea Using 3-Dimensional Volume Electron Microscopy (EM)
Ramya Singireddy, University of Alabama at Birmingham

Point-of-Care Liquid Biopsy for Precision Diagnostics in Recurrent Non-Small Cell Lung Cancer
Nicole Blumentfeld, Columbia University, Irving Institute for Clinical Translational Research

Association Between Source Case Cavitation on Chest Radiograph and QuantiFERON-TB Gold INTube Conversion Among Close Contacts of Active Tuberculosis Cases in Brazil
Lauren A. Saag, Vanderbilt University Medical Center

Decreased Uric Acid Transport is Associated with Improved Outcomes Following Severe Traumatic Brain Injury
Solomon M. Adams, University of Pittsburgh

Personalized Models of Distal Airway Epithelial-Stromal Unit in COPD
Seyed Babak Mahjour, Weill Cornell Medical College

**Roosevelt 5**

Epidemiology of Traumatic Esophageal Injury: An Analysis of the National Trauma Data Bank
Alexander Xu, Tufts University

Developing a Conceptual Model of Healthcare Access for Adolescent Latinas in the US South
Mercedes Margarita Morales Aleman, University of Alabama at Birmingham

Barriers to Healthcare After the Affordable Care Act: A Qualitative Study of Los Angeles Safety Net Patients’ Experiences with Insurance and Healthcare
Sonali Saluja, University of Southern California

Understanding the Health Effects of Binding and Tucking for Gender Affirmation
Tonia Poteat, Johns Hopkins University School of Medicine

Relationship Between Preexisting Pain and Completion of a Community-Based Wellness Program
Chantay Young, Vanderbilt University Medical Center
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Poster Abstracts

CR Forum Top Ten Research Achievement Awardees

1. Gene Therapy Halts Progression of Cerebral ALD
   Florian Eichler
   Massachusetts General Hospital

2. Effect of Intra-articular Triamcinolone vs Saline on Knee Cartilage Volume and Pain
   Timothy McAlindon
   Tufts Medical Center

   Jerry Mendell
   Nationwide Children’s Hospital

4. ATTRACT trial concludes clot-busting drugs do not prevent long-term blood clot complications for most patients
   Suresh Vedantham
   Washington University School of Medicine in St. Louis

5. Long-Term Outcomes of Patent Foramen Ovale Closure or Medical Therapy after Stroke
   David Thaler
   Tufts Medical Center

6. Risk/Benefit Comparison of Mechanical and Biologic Valve Replacements
   Andrew Goldstone
   University of Pennsylvania

7. Anti-Zika Virus DNA Vaccine
   Pablo Tebas
   Perelman School of Medicine at the University of Pennsylvania

8. The Human Knockout Project
   Danish Saleheen
   Perelman School of Medicine at the University of Pennsylvania

9. New CAR T-cell therapy for relapsed leukemia patients
   Nirali N. Shah
   National Cancer Institute

10. Treatment and Prevention of HIV-1 Infection by Highly Potent Neutralizing Monoclonal Antibodies
    Marina Caskey
    The Rockefeller University

12. Reproducibility of Electronic Health Record Research Data Requests
    Ram Gouripeddi, Rishi Dekha, Thomas Reese, Bradley Martin, Jeff Talbert, Bernie LaSalle, Julio C. Facelli, Diana Brixner, Ryan Butcher
    The University of Utah School of Medicine

13. Development of an Instrument to Identify Factors Influencing Point of Care Recruitment in Primary Care Settings. A Pilot Study at University of Utah Health
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14. Exposure to Violence Correlated to Elevated Immunoglobulin E and Epstein Barr Virus levels in African American Young Adults.
    Latifa Jackson, Maksim Shestov, Forough Saadatmand
    Georgetown - Howard Universities

15. Prediction of 90-Day Readmission among Kidney Transplant Recipients using Natural Language Processing
    Michael Arenson, Xinyu Zhang, Joyce Kim, Geeta Karadkhede, Julien Hogan, Yiran Zhang, Andrew B. Adams, Rachel E. Patzer
    Emory University

Education/Mentoring/Professional and Career Development

16. First Year Medical Student Characteristics Associated with Readiness to Talk about Race
    Brooke Cunningham, Rachel Hardeman, Samantha Carlson
    University of Minnesota CTSI

18. Perspectives on Increasing Competency in Using Digital Practices and Approaches to Enhance Clinical Translational Research: A Qualitative Study
    Katja Reuter, Kelsey Simpson, Namquyen Le, Ricky N. Bluthenthal, Cecilia Maria Patino Sutton
    University of Southern California

InCHOIR Learning Lab: a TL1 and Workforce Development Initiative at Mount Sinai

Emma K. T. Benn, Janice Lynn Gabrilove, Emilia Bagiella
Icahn School of Medicine at Mount Sinai

20. Graduate Student Training Takes A New Format: “Avoiding The Kiss of Death”
    Tracey Baas, Sarah Peyre
    University of Rochester Medical Center

21. TL1 Team Approach to Social and Genetic Determinants of Nocturnal Blood Pressure
    University Of Florida Clinical and Translational Science Institute

22. Evaluation of the current status of urologic training programs in the delivery of transgender care
    Daniel Schoenfeld, Beth Drzewiecki
    Albert Einstein College of Medicine

Biomedical Informatics/Health Informatics/Digital Health/Social Media

11. A Patient-Friendly Research Participant Registry: The UT Southwestern Volunteer Research Participant Registry
    Kathleen Wilkinson, Sarah Lynch, ME Blair Holbein, Robert Toto, Duwayne Willett, Teresa Bosler, Samantha Gates, Mereeja Varghese, Vaishnavi Kannan
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Health Equity/Community Engagement

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Mercedes Margarita Morales Aleman, Gwendolyn Ferreti, Isabel C. Scarinci
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24 Barriers to Healthcare After the Affordable Care Act – A Qualitative Study of Los Angeles Safety Net Patients’ Experiences with Insurance and Healthcare
Sonali Saluja, Danny McCormick, Michael Cousineau, Janina Morrison, Michael Hochman
University of Southern California

25 Understanding the Health Effects of Binding and Tucking for Gender Affirmation
Tonia Poteat, Mannat Malik, Erin Cooney
Johns Hopkins University School of Medicine

Science and Health Policy/Ethics/Health Impacts/Outcomes Research

27 Risk of Readmission after discharge from Skilled Nursing Facilities Following Heart Failure Hospitalization
Himali Weerahandi, Li Li, Jeph Herrin, Kumar Dharmarajan, Lucy Kim, Joseph Ross, Simon Jones, Leora Horwitz
NYU - H+H Clinical and Translational Science Institute

28 Shared decision making in child health: a qualitative study of parents of children with medical complexity
Jody Lin, Catherine Clark, Bonnie Halpern-Felsher, Lee M. Sanders
Stanford University School of Medicine

29 Early Findings from a Real-World RCT: Acceptance and Commitment Therapy (ACT) for Persistent Pain in an Integrated Primary Care Setting
Kathryn E. Kanzler, Patricia Robinson, Mariana Munante, Donald McGeeary, Jennifer Potter, Eliot Lopez, Jim Mintz, Lisa Kilpela, Willie Hale, Donald Dougherty, Dawn Velligan
University of Texas Health Science Center San Antonio

30 Impact of Primary Care Physician Gatekeeping on Medication Prescriptions for Atrial Fibrillation
Andrew Young Chang, Mariam Askari, Jun Fan, Paul A. Heidenreich, P. Michael Ho, Kenneth W. Mahaffey, Alexander C. Perino, Mintu P. Turakhia
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31 Risk Factors for Prescription Opioid Misuse after Traumatic Injury in Adolescents
Teresa Maria Bell, Christopher A Harle, Dennis P Watson, Aaron E Carroll
Indiana University School of Medicine

32 Investigation of post-operative serum creatinine trajectories using latent class mixed modeling: A novel approach to assessing post-cardiac surgery acute kidney injury
Benjamin Andrew, Carl F. Pieper, Anne D. Cherry, Jane F. Pendergast, Jamie R. Privratsky, Carrie B. Moore, Mark Stafford-Smith
Duke University

33 How have characteristics of end-of-life family caregiving changed from 1999 to 2015? Preliminary results from two waves of nationally representative data
Judith Vick, Jennifer Wolff
Johns Hopkins University School of Medicine

34 Use of forced air warming devices to induce fever-range hyperthermia in critically ill septic patients
Anne Meredith Drewry, Enyo A. Ablordeppey, Marin H. Kollef, Richard S. Hotchkiss
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

Clinical Epidemiology/Clinical Trial

35 Screening for multidrug resistant gram-negative bacilli in critically ill burn patients predicts subsequent bacterial etiology of infection.
Anne Monica Lachiiewicz, Melissa B. Miller, Shannon S. Carson, Bruce A. Cairns, David van Duin
University of North Carolina School of Medicine

36 Kidney Transplantation: A High Risk State for Prediabetes and Diabetes
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University of Texas Health Science Center San Antonio

37 Rapidly resolving acute respiratory distress syndrome: a secondary analysis of the ARDS Network randomized controlled trials
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Weill Cornell Medicine

38 Low cholesterol efflux capacity and abnormal lipoprotein particles in youth with type 1 diabetes.
Evgenia Gourgari, Umberto Campia, Martin Playford, Amit Dey, Fran Cogen, Stephanie Gubb-Weiser, Sameer Desale, Maureen Sampson, Michelle Magee, Allen Taylor, Kristina Rother, Alan Remaley, Nehal Mehta
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40 Targeting Pulsatile Load to Increase Exercise Capacity and Quality of Life After TAVR for Severe Aortic Stenosis
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41 Uterine serous carcinoma is associated with a high risk of venous thromboembolism regardless of latency from surgical staging
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42 The impact of past 10-year and current alcohol consumption patterns on progression of carotid intima media thickness among persons living with HIV
Natalie Chichetto, Michael Plankey, Alison Abraham, David Sheps, Nicole Ennis, Xinguang Chen, Kathleen Weber, Steve Shohtaw, Robert Kaplan, Wendy Post, Robert Cook
Vanderbilt University Medical Center

43 Big data approaches in translational science: the influence of psychiatric and trauma history in predicting smoking during pregnancy in a cohort of female like-sex twin pairs.
Alexandra Noel Houston-Ludlam, Julia D. Grant, Kathleen K. Bucholz, Pamela A. F. Madden, Andrew C. Heath
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Basic/Translational Science/Team Science

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University of California, San Francisco

52 A novel multi-photon microscopy method for neuronavigation in deep brain stimulation surgery
Nicholas Matthew George, Arianna Gentile Polese, Greg Futia, Baris Ozbay, Wendy Macklin, Emily Gibson, Aviva Aboisch, Diego Restrepo, Brian E. Moore
University of Colorado at Denver

53 Sexual Dimorphism in a Mouse Model of Syndromic Thoracic Aortic Aneurysm
Zheyong Chen, Alan Daugherty, Mary Sheppard
University of Kentucky Center for Clinical and Translational Science

54 Augmenting Perception Through Direct Electrical Stimulation of Adult Somatosensory Cortex
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64 Mechanisms of Acquired Resistance to Gilteritinib Therapy in Relapsed and Refractory FLT3-Mutated Acute Myeloid Leukemia
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65 Extracellular matrix as a novel approach to glioma therapy
Mark H. Murdock, Jordan T. Chang, George S. Hussey, Nduka M. Amankulor, Johnathan A. Engh, Stephen F. Badylak
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66 Exploring Müller cell-cone interactions in human fovea using 3-dimensional volume electron microscopy (EM)
Ramya Singireddy, Kenneth R. Sloan, Jeff W. Lichtman, Christine A. Curcio, Dennis M. Dacey
University of Alabama at Birmingham

67 Point-of-care liquid biopsy for precision diagnostics in recurrent non-small cell lung cancer
Nicole Blumenfeld, Rodrigo C. Chaves, Janice C. Chung, Giuseppe Modica, Marie Slava, Michael Luetoff, Samuel K. Sia
Columbia University, Irving Institute for Clinical Health/ Social Media

69 Decreased Uric Acid Transport is Associated with Improved Outcomes Following Severe Traumatic Brain Injury
Solomon M Adams, Yvette P. Conley, David O. Okonkwo, Ava M. Puccio, Patrick Kochanek, Robert S. B. Clark, Philip E. Empey
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70 Personalized Models of Distal Airway Epithelial-Stromal Unit in COPD
Seyed Babak Mahjour, Kazunori Gomi, Busub Lee, Olivier Elemento, Scott Randell, and Renat Shaykhiev
Weill Cornell Medical College

Group A: Thursday, 6:30 PM – 8:00 PM and Friday, 7:00 AM – 7:45 AM

Biomedical Informatics/Health Informatics/Digital Health/Social Media

A71 A Prospective Trial of Mobile Technology for Patient Education in Spine Clinic
Rasheedaat Zakare, Eric Sankey, Theresa Williamson, Tracy Cheng, Oren Gottfried
Duke University

A72 Sensitivity to Infusion and Blood Draw Time Recording Errors in Pharmacokinetic Modeling
Hannah Lynn Weeks, Matthew S. Shotwell
Vanderbilt University Medical Center

A73 Developing Objective and Ecologically Valid Measures for Cognitive Treatment Trials in Schizophrenia
Toral Surti, Deepak D’Souza, John Krystal, Robert McNeil Jr., Mohini Ranganathan
Yale School of Medicine

A74 Promoting discussion and collaborations between quantitative researchers and clinical researchers
Dongmei Li, Thomas Fogg, Timothy De Ver Dye
University of Rochester Medical Center

A75 Clinic cycle time predicts provider performance on CG-CAHPS Physician Communication assessment
Rasheedaat Zakare, Tracy Cheng, Oren Gottfried
Duke University

A76 Feasibility and acceptability of the Patient Reported Outcomes Measurement Information System (PROMIS) in an outpatient gynecologic oncology clinic
Gregory M Gressel, Shayan M. Dioun, Michael Richley, Akiva P. Novetsky
Albert Einstein College of Medicine

A77 A penalized regression analysis of errors made by a high-dimensional, nonlinear, black box ensemble model
Yupu Liang, Michele Wong, Siddhartha Mitra, Julien Wen Hsieh
The Rockefeller University
A79 Validation Of ICD-10 Codes For Bleeding Among Patients With An Indication For Antithrombotic Therapy
Sultan Khan, Yeshika Sharma, Margaret A. Olsen, Roger Yusen, Melinda Miller, Richard White, Oluseun Atolagbe, Brian Gage, Rabia P Saeed, Hannah Lin
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A80 Quantification of Estimated Energy Expenditure in Burn Patients Using a Graphical Calculator
Elizabeth Megan Kenny, Francesco M. Egro, Ernest C. Manders
University of Pittsburgh

A81 Rapid Prediction of Hematocrit Following Blood Loss and Fluid Shifts Using a Nomogram
Elizabeth Megan Kenny, Francesco M. Egro, Ernest C. Manders
University of Pittsburgh

A82 Developing an Informatics Framework to Conduct Translational Research of Complex Diseases
Danielle Groat, Ramkiran Gouripeddi, Yu Kuei Lin, Willard Dere, Julio Facelli
The University of Utah School of Medicine

A83 myRESEARCHhome – Analytics and new innovations in the Duke researcher portal
Rebecca Nameneke Brouwer, Derek Jones, Rebbeca Moen, Iain Sanderson, Ebony Boulware
Duke University

A84 Temporal Characterization of Clinical Trial Descriptions
Samir E. Abdelrahman, Ram Gouripeddi, Jianyin Shao, Ryan Butcher, Janette Vasquez, Bernie Lasalle, Julio C Facelli
The University of Utah School of Medicine

A85 Adoption of mHealth among Latinos with Cardiometabolic Risk Factors
Sabianca Delva, Hae-Ra Han
Johns Hopkins University School of Medicine

A86 Ecological continuous assessment of physical activity and sleep, and ecological momentary assessment of blood pressure, body weight, and pulse wave velocity in an urban black population
Stephen P. Wright, Emma J. Pollner, X. James Li, Jason J. Umans, Teletia R. Taylor, Carla Williams, Veronica Clarke-Tasker, Kathryn Sandberg
Georgetown - Howard Universities

A87 Diabetes and Hypogonadism: A population health approach using data analytics
Shyamashree Sinha, Paresh Dandona, Sarah Mullin, Tanvi Shah, Peter Elkin
University At Buffalo, State University Of New York

A88 A Bootstrap-enhanced Least Absolute Shrinkage and Selection Operator Approach for Developing a Clinically Interpretable Model to Predict Suicide
Christian Tyler Shanklin, Colin George Walsh, Matthew Charles Lenert
Vanderbilt University Medical Center

Education/Mentoring/Professional and Career Development

A89 The Clinical Research Operations Program: Educating Clinical Research Staff
Peg Tsao, Veronica Haight, Ashley Dunn, Lisa Jackson, Steven Goodman
Stanford University School of Medicine

A90 Behavioral Clinical Trials: Considerations for Design and Conduct Using the New NIH Study Protocol Template
Susan Lynn Murphy, Nancy Yovetich, Melissa Riddle
University of Michigan School of Medicine

A91 Sowing the “CEED”s of a More Diverse Biomedical Workforce
Colleen A. Mayowski, Kaleab Z. Abebe, Natalia E. Morone, Doris Rubio, Wishwa N. Kapoor
University of Pittsburgh

A92 Novice and Experienced Research Coordinators’ Perceptions of A Standardized Training
Linda S Behar-Horenstein, JoNell Potter, Stephanie Swords, Stephen Allen Sonstein, Alena Prikhidko, Robert Kolb
University Of Florida Clinical and Translational Science Institute

A93 How Can We Improve Nutrition Education for Physicians-in-Training?
Emily Johnston, Jeannette M. Beasley, Penny M. Kris-Etherton
Penn State Clinical and Translational Science Institute

A94 The Rockefeller Clinical Scholars Program, Supported in Part by a KL2 Award: Data from 2006 - 2017
Barry S. Coller, Sarah Schlesinger, Michelle Romanick, Jonathan Tobin, Donna Brassil, Rhonda Kost, Roger Vaughan, Robert MacArthur
Rockefeller University

A95 Case-based Learning in Translational Biomedical Research Education
Alexandra Joelle Greenberg-Worisek, Katherine Campbell, Eric Klee, Nathan Staff, Lisa Schimmenti, Karen Weavers, Stephen Ekker, Anthony Windebank
Mayo Clinic

A96 Frequently Overlooked Challenges of Pragmatic Trials
Rodger S Kessler, Constance O. Van Eeghen
Arizona State University

A97 Clinical and Translational Research (CTR) Platform for Undergraduate Health Sciences Programs (UHSP) at University of Puerto Rico-Medical Sciences Campus (UPR-MSC) and Universidad Central del Caribe (UCC): Pipeline for Students and Faculty
Rubén García García, Margarita Irizarry-Ramirez, Efrain Flores-Rivera, Cariamarie Noboa, José Moscoso-Álvarez, María E. González-Méndez, Mildred I. Rivera Vázquez
University of Puerto Rico-Medical Sciences Campus

A98 Drug Formulation Strategies: A Vital but Nearly Invisible Component in Translational Education
Robert Bruce MacArthur, Roger Vaughan, Barry S. Collier
The Rockefeller University
A99 Training Cycle in Clinical and Translational Research (CTR) for Undergraduate Health Sciences Programs (HSUP) at University of Puerto Rico-Medical Sciences Campus (UPR-MSC) and Universidad Central del Caribe (UCC): Pathway for Students and Faculty.
Margarita Irizarry-Ramírez, Rubén García García, Edgardo L. Rosado Santiago, José Moscoso-Álvarez, Elaine Ruiz Izcoa, Carlamarie Noboa
University of Puerto Rico-Medical Sciences Campus
A100 HiREC’s Endowment Sustain Capacity Building in Promising Translational Researchers at a Minority Serving Institution: Four Successful Stories
Aracelis Huertas Chardon, Lourdes E. Soto de Laurido
University of Puerto Rico-Medical Sciences Campus
A101 Building the Next Generation of Translational Researchers in Health Disparities
Carlamarie Noboa, Zulmarie de Pedro-Serbia, Lourdes E. Soto de Laurido, Aracelis Huertas Chardon
University of Puerto Rico-Medical Sciences Campus
A102 Critical and Creative Thinking Course: Fundamental for a Junior Researcher
Lourdes E. Soto de Laurido, Marie K. Norman, Doris Rubio
University of Puerto Rico-Medical Sciences Campus
A103 Developing the Future Translational Science Workforce at the University of Iowa
James Turner, Beth Rydstrom Knudson, Kimberly Dukes
University Of Iowa Institute for Clinical and Translational Science
A104 From Bedside to Benchmarks: A Physician-Scientist Workforce Dashboard for Biomedical Research Institutions
Adrienne Zell, Lindsey Smith, David Yanez, Jeanne-Marie Guise, David Ellisson
Oregon Health & Science University
A105 Evaluation of a clinical investigation curriculum: Post-graduate outcomes
Julie H. Shakib, Carol Sweeney, Jodi Cullum, Ruben Rocha, Anthea Letsou
The University of Utah School of Medicine
A106 Perceptions of translational science among faculty researchers: A survey to inform the efforts of a multidisciplinary education and research program
Gayathri Devi, Jennifer C. McMains, Stephanie A. Freal, Jeffrey Hawley
Duke University
A107 Assessing the impact of the KL2 mentored training program using the Becker model for research impact: An exploratory study
Beatrice Boateng, Nia Indelicato, Pedro Delgado, Mary Aitken, Laura P. James
University of Arkansas Translational Research Institute
A108 Immediate Feedback Through Mobile App Quizzing
Becca Gas, Karen Marie Weavers, David Farley
Mayo Clinic
A109 Utilizing Digital Pedagogy to Build Communication Skills in Predoctoral Training Programs
Karen Marie Weavers, Becca Gas
Mayo Clinic
A110 An Electronic Roadmap to Customized Human Research Training Plans
Jennifer Maas, Megan Hoffman, Janet Shanedling, Jason Kadmas, Trung Ngo, Jacob Johnson
University of Minnesota - CTSI
A111 The leveling of clinical research competencies
Carolynn Thomas Jones, Rebecca Nameneck Brouwer, Carmen E. Aldinger, Robert Kolb, William Gluck, Barbara Bierer, Stephen Allen Sonstein
The Ohio State University
A112 The Boston Medical Center/Boston University Medical Campus Research Professionals Network and its peer-led, competency-based workshop trainings
Gina Daniels, MaryTara Roth
Boston University
A113 Research Development: Proactive Strategies to Foster Faculty Success
Elizabeth LaPensee, Jill Jividen, Tamara Havermahl
University of Michigan School of Medicine
Health Equity/Community Engagement
A115 Psychological Mechanisms Linking Food Insecurity and Obesity
Candice Alicia Myers, Stephanie T. Broyles, Corby K. Martin, Peter T. Katzmarzyk
Pennington Biomedical Research Center- LA CaTS
A116 Symptom Endorsement in Bipolar Patients of African vs European Ancestry
Margaret Akinhanmi, Joyce E. Balls-Berry, Suliman El-Amin, Jennifer Geske, Colin Colby, Christi Patten Joanna Biernacka, Mark A. Frye
Mayo Clinic
A117 Innovative Incorporation of a Community Engagement Core in an Academic Medical Center Setting
Syed Mansoor Ahmed, Sarah P. O’Connor, Zeno Franco, David A. Nelson, Sharon Neu Young, Jessica De Santis
Medical College of Wisconsin
A118 Multiplying Resources: Impact and Return On Investment of 10 years of Community-Engaged Research (CEnR) and Partnership Seed Grants
Jen Brown, Melvin Thompson, Rebecca Carl, Maryann Mason, Gina Curry
Northwestern University
A119 Developing a Cultural Adaptation of a Telephone Genetic Counseling Intervention for Latina Women at-Risk of Hereditary Breast and Ovarian Cancer
Alejandra Hurtado de Mendoza, Sara Gómez Trillos, Marc Schwartz, Beth Peshkin, Heidi E. Hamilton, Katie Fiallos, Filipa C. Lynce, Susan Vadaparampil, Vanessa B. Sheppard, Lucile Adams-Campbell, Andrea Otero, Kristi Graves
Georgetown - Howard Universities
A120 Community Based Research Networks: providing infrastructure for clinical and translational research in the State of Michigan
Meghan Spiroff, Patricia Piechowski, Karen D. Calhoun, Susan Goold, Ayse Buyukturk, Michael Klinkman, Elias M. Samuels, Zachary Rowe
University of Michigan School of Medicine

A121 Experiences, Challenges and Coping Strategies for Parents of Children with Autism in the United States and Different Arab Countries
Mariam Ayyash, Marwa Ayyash, Mona Alalouye, Alexander Blackwood
University of Michigan School of Medicine

A122 Implementing and Evaluating an Evidence-based Intervention from the ICU Setting into Primary Care Using Promotoras to Reduce CA-MRSA Recurrence and Household Transmission
Clinical Directors Network (CDN)

A123 Tool to Assess Opportunities to Augment Health Literacy & Culturally Responsive Components of Research Design to Enhance Diverse Engagement
Grisel Robles-Schrader, Ashley Sipocz, Evelyn Cordero, Gina Curry
Northwestern University

A124 Validation of a Set of “Healthcare Trust” Scales for Women Seeking Substance Abuse Treatment in Community-Based Settings
Joshua Cockroft, Deondria Matlock, Susie Adams
Vanderbilt University Medical Center

A125 Latent Classes of Polysubstance Use Among Adolescents in the United States: Differences in Class Memberships by Sexual Identity
Robert W.S. Coulter, Deanna Flynn, Jessica N. Fish, Michael W. Plankey
University of Pittsburgh

A126 Let’s talk about sex: Does language create a barrier to women reporting and receiving treatment for dyspareunia in the Spanish speaking community?
Natalie Eisenach, Kimberly Swan, Dani Zoorob
University of Kansas Frontier

A127 Community Voices First: A Multi-Method Approach to Shaping Institutional Response to Flint’s Water Crisis
University of Michigan School of Medicine

A128 Integrating Special Projects (ISP) in Research: Examples from the University of Illinois at Chicago
Raymond Allen Ruiz, Kevin Rak, Wendy Choure, Alicia Matthews, Amparo Castillo, Emily Anderson, Marilyn Willis
University Of Illinois At Chicago Center for Clinical and Translational Science

A129 The role of community in an evolving community-university pilot award program
Sarah Wiehe, Gina Elizabeth Malloy Claxton, Lisa Staten, Elaine Lipscomb, Ann Alley, Eric Beers
Indiana University School of Medicine

A130 The Influence of Health Insurance Stability on Racial/Ethnic Differences in Diabetes Control and Management
Alison G.M. Brown, Nancy R. Kressin, Norma Terrin, Amresh Hanchate, Jillian Suzukida, Sucharita Kher, Lori Lyn Price, Amy LeClair, Elena Byhoff, Karen M. Freund
Tufts University

A131 Transforming an Academic Medical Center: Tracking Community Engagement
Syed Mansoor Ahmed, Sharon Neu Young, Sarah P. O’Connor, Mia DeFino, Zeno Franco, David A. Nelson
Medical College of Wisconsin

A132 Research Partnership, Community Commitment, and the People-to-People for Puerto Rico (#p2p4PUR) Movement: Researchers and Citizens in Solidarity
Jose G Perez-Ramos, Hector Torres Zayas, Nancy R. Cardona Cordero, Dulce M. Del Rio Pineda, Colleen Murphy, Carmen M. Velez Vega, Timothy De Ver Dye
University of Rochester Medical Center

A133 Barriers and facilitators to implementation of an HPV vaccine program for girls in the Dominican Republic
Nancy VanDeVanter, Erica Liebermann, Taraneh Shirazian, Natalia Frias Guzman, Mimi Niles, Danielle Ompad
NYU - H+H Clinical and Translational Science Institute

A134 Community Health Workers as Research Advocates
Amparo Castillo, Emily Anderson, Alicia Matthews, Raymond Allen Ruiz, Wendy Choure, Kevin Rak, Marilyn Willis
University Of Illinois At Chicago Center for Clinical and Translational Science

A135 A Community-Academic Partnership to Understand the Correlates of Successful Aging in Place (Year 2)
Kimberly Vasquez, Dozene Guishard, William Dionne, Alexandra Jurenko, Caroline Jiang, Cameron Coffran, Andrea Ronning, Glenis George-Alexander, Cynthia Mofunanya, Onassis Shirazian, Colleen Murphy, Carmen M. Velez Vega, Timothy De Ver Dye
University of Rochester Medical Center

A136 Current efforts to increase adolescent human papillomavirus vaccination rates using school-based setting in Starr County, Texas
Ana Marina Rodriguez, Kathleen Schmeler, Sapna Kaul, Yong-Fang Kuo
University of Texas Medical Branch
Science and Health Policy/Ethics/Health Impacts/Outcomes Research

A137 The effect of psychiatric service dogs on an objective measure of stress and arousal in military veterans with PTSD
Keri E Rodriguez, Douglas A. Granger, Crystal I. Bryce, Marguerite O’Haire
Purdue University

Jaimie Zhi Shing, Marie Griffin, Manideepthi Pemmaraju, Edward Mitchell, Pamela Hull
Vanderbilt University Medical Center

A139 The Effect of Service Dogs on Employment, Health-Related Work Productivity, and Activity Impairment in a Population of Military Veterans with PTSD
Marguerite O’Haire, Keri E Rodriguez, Shelley Macdermid Wadsworth, Louanne Davis
Purdue University

A140 Perceived Susceptibility to Cervical Cancer among African American Women in the Mississippi Delta
Elena Gibson, Julia Gage, Philip E. Castle, Isabel C. Scarinci
University of Alabama at Birmingham

A141 Profile of Pediatric Potentially Avoidable Transfers
Jennifer Rosenthal, James Marcin, Monica Lieng, Patrick Romano
University of California, Davis

A142 Survival after early kidney after liver transplant compared with simultaneous liver-kidney transplant and liver transplant alone: Evaluating the potential of the “safety net”
Colleen L. Jay, Ken Washburn, Mark Stegall, Glenn Halff, Greg Abrahamian, Jacqueline Pugh, Francis Tinney
University of Texas Health Science Center San Antonio

A143 Investigation into the Huntington’s Disease Community’s Views on Preventive Drugs
Marcus Parrish, Kevin Grimes, Andrea Hanson-Kahn
Stanford University School of Medicine

A144 Factors Associated with Dual Use of VA and Civilian Healthcare Among US. National Guard and Reserve Soldiers
Bonnie M. Vest, Jessica A. Kulak, D. Lynn Homish, Gregory G. Homish
University At Buffalo, State University Of New York

A145 Prenatal near roadway air pollution exposure and early neurodevelopment in young Mexican-American children: Findings from the CHAMACOS prospective birth cohort study
William H. Coe, Jason Feinberg, Robert Grunier, Brenda Eskenazi, Heather Volk
Johns Hopkins University School of Medicine

A146 Improvements in Surgical Mortality: The Roles of Complications and Failure to Rescue
Brian T. Fry, Jyothi Thumma, Justin Dimick
University of Michigan School of Medicine

A147 Protocol for a systematic review of existing patient-reported outcomes instruments for glaucoma
Amanda Kiely Bicket, Jimmy Le, Michelle Tarver, Malvina Eydelman, Tianjing Li
Johns Hopkins University School of Medicine

A148 Integrating Ethics Support as Culture Change in a Translational Science Environment
Bernadette McKinney, Emma Tumilty, Joseph Kotarba
University Of Texas Medical Branch At Galveston

A149 Long-Acting Reversible Contraceptive Uptake in Female Sex Workers and Single Mothers in Rwanda and Zambia
Jessica Li, Rachel Parker, Kristin Wall, Lisa Haddad, Susan Allen
Emory University

A150 Developing clinical prediction models for 30-day readmission in the medically complex pediatric population
Jana Cerullo Leany, Lori Lyn Price, Cassandra ER. Scott, David Kent, John B. Wong, Karen M. Freund
Tufts University

A151 Two State Comparison of Orthopedic Utilization Following Medicaid Expansion
Christopher J. Dy, Derek Brown, Hera Maryam, Matt Keller, Margaret Ann Olsen
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A152 Spontaneous Bacterial Peritonitis Mortality among Hospitalized Patients in the United States
Po-Hung Chen, Berkeley Limketkai, Brian Kim, Tinsay Woreta
Johns Hopkins University School of Medicine

A153 Racial Disparities in Long-Term Outcomes in Kidney Transplantation from Elderly Donors in United States
Silvi Shah, Shah, Masaaki Yamada, Roman Jandarov
University of Cincinnati

A154 Polypharmacy and patterns of prescription medication use among cancer survivors
Caitlin Murphy, Hannah Fullington, Carlos Alvarez, Simon Craddock Lee, Andrea Betts, David Haggstrom, Ethan Halm
University of Texas Southwestern Medical Center Dallas

A155 Exploring the relationships between acculturation, discrimination and function in older African immigrants: a dissertation study
Manka Nkimbeng, Yvonne Commodore-Mensah, Sarah Szanton
Johns Hopkins University School of Medicine

A156 Charting the Publication and Citation Impact of the NIH Clinical and Translational Science Awards (CTSA) Program from 2006 Through 2016
Nicole Llewellyn, Dorothy Carter, Latrice Rollins, Eric Nehl
Emory University

A157 A Qualitative and Quantitative Summary of the Content of Publications Supported by the National CTSA Program from 2006-2017: Diversity, Scope, and Inter-disciplinarity
Nicole Llewellyn, Dorothy Carter, Latrice Rollins, Eric Nehl
Emory University
A158 Balancing Patient-Centeredness and Patient Safety in the Hospitals: The Case of Pain Care and Patient Satisfaction
Olena Mazurenko, Basia Andraka-Christou, Matthew Bair, Areeba Kara, Christopher A. Harle
Indiana University School of Medicine

A159 The Association of Preoperative Functional Capacity and Outcomes for Head and Neck Cancer Patients Undergoing Definitive Surgical Treatment
Sampat Sindhar, Dorina Kallogjeri, Troy S. Wildes, Michael S. Avidan, Jay Piccirillo
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A160 A Multi-Stakeholder Analysis on Preparing Future Pediatricians to Improve the Mental Health of Children
Cori Meredith Green, John Walkup, William Tromch
New York Presbyterian Hospital/Weill Cornell Medicine

A161 Thrombotic Complications in Single Ventricle Reconstructions for Single Ventricle Physiology Congenital Heart Disease
Michael Hugh White, Kavita Patel, Lazaros Kocilias, Robert F. Sidonio, Jr.
Emory University

A162 Nutritional Outcomes in Pediatric Oncology Patients Less than 3 Years of Age
Daniel Runco, Ann Mertens, Karen Wasilewski-Masker
Emory University

A163 An Application of the Payback Framework to Evaluate the Outcomes of Pilot Projects Supported by the Georgia Clinical and Translational Science Alliance from 2007-2014
Latrice Rollins, Nicole Llewellyn, Eric Nehl, Astrid Sosa
Morehouse School of Medicine

A164 The association of gastrointestinal symptoms and hypertension in persons living with HIV on HAART
Kierra Renee Butler, Faye Harrell, Wendy A. Henderson
National Institutes of Health

A165 A Community-Academic Translational Research and Learning Collaborative to Evaluate the Associations Among Biological, Social and Nutritional Status For Adolescent Women and their Babies Using Electronic Health Records (EHR) Data
The Rockefeller University

A166 Chronic Pain in Older Survivors of Hematopoietic Cell Transplantation (HCT) – a report from BMTSS-2
Naveed Qazi Farrukh, Lindsey Hageman, Jessica Wu, Saro Armenian, Emily Ness, Mukta Arora, Michelle Kung, Smita Bhatia, Liton Francisco, Mariel Parmar
University of Alabama at Birmingham

A167 Assessing Research Impact: It Takes a Team
Ashley Dunn, Michelle B. Bass
Stanford University School of Medicine

A168 Is Less More? Examining the Relationship between Food Assistance Generosity and Childhood Obesity
Megan M. Reynolds, Melanie Beagley, Ashley M. Fox, Ming Wen, Michael W. Varner, Ken R. Smith
The University of Utah School of Medicine

A169 Creating a Reference Analytics Morphomics Population from Surgical Patient Cross-Sectional Imaging
Katherine He, Brian Derstine, Sven Holcombe, Nicholas Wang, Stewart Wang
University of Michigan School of Medicine

A170 Functional Imaging Demonstrates that Immune Parameters Modulate the Radiosensitivity of Locally Advanced Non-small Cell Lung Cancer
Aneesh Krishna Pirlamarla, Changcheng Zhu, Chandan Guha, Nitin Ohri
Albert Einstein College of Medicine

Clinical Epidemiology/Clinical Trial

A171 Mixed Meal Effects of Neprilysin Inhibition
Jessica Rose Wilson, Daniel Rader, Raymond Townsend, Michael Rickels
University of Pennsylvania School of Medicine

A172 Empirical-likelihood-based criteria for model selection on longitudinal data with dropout missingness
Ming Wang, Chixiang Chen
Penn State Clinical and Translational Science Institute

A173 Plasma microRNA markers of upper limb recovery following human stroke
Matthew A. Edwards, Xiaogang Zhong, Amrita Cheema, Alexander Drumendick
Georgetown - Howard Universities

A174 The clinical implications of a positive prostate cancer screen in patients undergoing a cardiac transplant evaluation
Valbhav Kumar, Hanify Wang, David DeNoefrio, David Kent
Tufts University

A175 Using Father-mediated Intervention to Increase Responsive Parental Behaviors and Child Communication in Children with Autism Spectrum Disorder: A Pilot Study
Michelle Flippin
University of Rhode Island

A176 Predicting Age-Related Macular Degeneration Diagnosis, Progression, Severity, and Identification of Potential Therapies: A Machine Learning Approach
Emily Brown, Jacob D. Ball, Zhaoyi Chen, Alfred S. Lewin, Mattia Prosperi, John D. Ash
University Of Florida Clinical and Translational Science Institute

A177 Effect of balanced crystalloids on renal outcomes among critically ill adults does not differ from 0.9% saline across baseline risk of renal outcomes.
Andrew C. McKown, Todd W. Rice, Matthew W. Semler
Vanderbilt University Medical Center

A178 Effect of sedation and neuromuscular blockade regimens on outcomes after cardiac arrest
Teresa May, Richard Riker, Giles Fraser, Sachin Argarwal, Duarte Christine, Niklas Nielsen, David Kent, David Seder
Tufts University
A179 An Assessment of Inappropriate Antibiotic Use for Uncomplicated Urinary Tract Infections
Michael J. Durkin, Matthew Keller, Anne Butler, Jennie Kwon, Erik Durbberke, Margaret Olsen
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A180 Identifying and characterizing anemia in patients with hidradenitis suppurativa
Yssra S. Soliman, Lauren Hoffman, Juan Lin, Lewis Tomalin, Mark Chaithowitz, Michelle Lowes, Steven R. Cohen
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A181 Identification of Herpes Simplex Virus (HSV) Shedding In The Female Genital Tract Of Pregnant Women By The Xpert HSV 1/2 Assay and Routine PCR
Milza Opper, Jennifer Potter, Mark Prichard, David Kimberlin
University of Alabama at Birmingham

A182 Tatum: A Web-Based Tool for Obtaining a Treatment Allocation in Randomized Controlled Clinical Trial with a Built in Tracking System for the Management of the Randomization Process
Shokoufeh Khalatbari, James Maszatics, Mehil Gunal, Vijayasaradhi Danda, Kellen McClain, Dawn Brown
University of Michigan School of Medicine

A183 Does The Implementation Of Pneumonia Prevention Practices Reduce Risk Of Pneumonia Following Coronary Artery Bypass Grafting?
Raymond Strobel, Michael P. Thompson, Lourdes Cabrera, Steven D. Harrington, Min Zhang, Richard L. Prager, Donald S. Likosky
University of Michigan School of Medicine

A184 Percentage of viable tumor versus radiation treatment effect in surgical specimens is not associated with outcomes in recurrent glioblastoma
Robert David Schwab, Stephen Bagley, Zev Binder, Robert Lustig, Donald O’Rourke, Steven Brem, Arati S. Desai, MacLean Nasrallah
University of Pennsylvania School of Medicine

A185 Susceptibility to Social Influence is Associated with Alcohol Self-Administration and Subjective Alcohol Effects
Alysse Schneider, Bethany Stangl, Elgin R. Yalin, Jodi M. Gilman, Vijay Ramchandani
National Institutes of Health

A186 Cumulative Lead Exposure as a Risk Factor for Resistant-Hypertension
Alexander Zheutlin, Howard Hu, Marc G. Weisskopf, David Sparrow, Pantel Vokonas, Sung Kyun Park
University of Michigan School of Medicine

A187 BREATHE-Easy Trial: A Dietary Intervention to Modify Asthma Health
Emily Pfell Brigham, Corrine Hanson, Amy Schwartz, Abigail Thaxton, Jennifer Wineke, Tricia LeVan, Bobbie Barron, Meredith McCormack, Susan Oh
Johns Hopkins University School of Medicine

A188 The SAM Robot: A Social Skills Intervention for Children with Autism Spectrum Disorder
Jenna Lebersfeld, Caleb J. Brasher, Christian D. Clesi, Carl E. Stevens, Fred J. Biasini, Maria I. Hopkins
University of Alabama at Birmingham

A189 Intersection of stunting, animal co-habitation and the gut microbiota
Henry Rogalin, Honorine Ward, Marieke Rosenbaum, Noel Solomons, Janet Forrest
Tufts University

A190 Development of a Statin Risk Communication Tool for Use in Cancer Survivors: A Pilot
Nirupa Jaya Raghunathan, Nassim Anderson, Emily Tonorezos, Deborah Korenstein
Memorial Sloan Kettering Cancer Center

A191 Effectiveness of oral cryotherapy for the prevention of high-dose melphalan-induced oral mucositis: A randomized clinical trial
Juan Jose Toro, Francisca Gushiken, David J. Haile, Cesar O. Freytes
University of Texas Health Science Center San Antonio

A192 Feasibility of Maternal Holding during Therapeutic Hypothermia for Infants with Encephalopathy
Alexa Kanwt Craig, Kyle Deerwester, Leah Fox, Julia Jacobs, Scott Evans
Tufts University

A193 Scrambler Therapy: Potential New Treatment for Central Neuropathic Pain?
Maureen A. Mealy, Sharon L. Kozachik, Lawrence Cook, Marie T. Nolan, Thomas J. Smith, Michael Levy
Johns Hopkins University School of Medicine

A195 Cognitive and Behavioral Side Effects in Patients Treated with Droxidopa for Neurogenic Orthostatic Hypotension
Katherine McDonell, Cyndya Shibiken, Italo Biaggioni, David Robertson, Daniel Claassen
Vanderbilt University Medical Center

A196 Characterizing physician trust and healthcare-based discrimination among long-term HIV viral trajectory groups in Washington, DC
Katherine Gisella Michel, Cuiwei Wang, Allison Doyle, Camille Robinson, Joanne Michelle F. Ocampo, Lakshmi Goparaju, Seble Kassaye
Georgetown - Howard Universities

A197 Influence of Alcohol Use Disorder and Comorbid Psychopathology on Discounting of Delayed Rewards
Julia Swain, Joshua L. Gowan, Matthew E. Sloan, Reza Momenan, Vijay A. Ramchandani
National Institutes of Health

A198 Sleep disturbances in mothers of children with atopic dermatitis throughout childhood: a population-based longitudinal birth cohort study
Faustine D. Ramirez, Shelley Chen, Aric A. Prather, Michael D. Cabana, Mary-Margaret Chren, Katrina Abuabara
University Of California, San Francisco
A199 Post-operative pain control and opioid usage patterns among patients undergoing thyroidectomy and parathyroidectomy
Theresa Tharakan, Sydney Jiang, Judd Fastenberg, Thomas Ow, Bradley Schiff, Richard Smith, Vikas Mehta
Albert Einstein College of Medicine

A200 Risk and Resilience: Identifying Factors that Predict PTSD Symptom Trajectory in Veterans
Ashkan Ahmadian, Aoife O'Donovan, Thomas C. Neylan, Thomas Metzler, Beth Cohen
University Of California, San Francisco

A201 The Effects of Gravidity and Parity on Risk of Cognitive Impairment and Amyloid Plaque Deposition
Rebecca DiBiase, Aozhou Wu, David Knopman, Keenan Walker, Thomas Mosley, Pamela L. Lutsey, Rebecca Gottesman
Johns Hopkins University School of Medicine

A202 Serum albumin level as a predictor of hospitalization and death in older adults: the Atherosclerosis Risk in Communities (ARIC) Study
Colleen Moran Shannon, Morgan Grams, Elizabeth Selvin
Johns Hopkins University School of Medicine

A203 Association of plasma angiogenesis biomarkers with acute kidney injury and mortality following cardiac surgery
University Of California, San Francisco

A204 Long-acting opioid selection and the risk of serious infections in patients with non-cancer pain
Andrew D. Wiese, Marie Griffin, C. Mike Stein, William Schaffner, Robert Greevy, Edward F. Mitchell Jr., Carlos Grijalva
Vanderbilt University Medical Center

A205 Effect of Dietary Approaches to Stop Hypertension (DASH) Diet on Hemodynamic Markers in Advanced Heart Failure Patients
Elisabeth Lilian Pia Sattler, Sandra B. Dunbar, Arshed A. Quyyumi, Jonathan R. Murrow, Richard D. Lewis, Henry N. Young, Whitiu McNicoll
Emory University

Basic/Translational Science/Team Science

A206 Age-Dependent Anti-seizure and Neuroprotective Effect of Cannabidiol in Neonatal Rats
Megan Huizenga, Patrick Alexander Forcelli
Georgetown - Howard Universities

A207 Derivation of ocular lens fibers from human pluripotent stem cells (hPSCs), a model to study human lens development
Rebecca Bricker, Tiziano Barberi
University of Texas Health Science Center San Antonio

A208 TL1 Team Approach to Osteosarcoma Cell Detection
Pablo Joaquin Dopico, Henrietta Fasanya, Dietmar Wang, Hugh Fanshawe
University Of Florida Clinical and Translational Science Institute

A209 Neurophysiological Substrates and Developmental Sequelae of Sensory Differences in Infants at High Risk for Autism Spectrum Disorder
Tiffany G. Woynaroski, Cara Damiano, David Simon, Lisa Ibanez, Michael Murias, Mark Wallace, Wendy Stone, Carissa Cascio
Vanderbilt University Medical Center

A210 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, Toyia James-Stevenson, Robert Siwiec, Matthew Bohm, Anita Gupta
Indiana University School of Medicine

A211 Determining Patterns of Activity and Functional Connectivity in Emotion Processing and Regulation Neural Circuitry in Offspring at Risk for Bipolar Disorder
Heather Elise Acuff, Amelia Versace, Michele A. Bertocci, Mary L. Phillips
University of Pittsburgh

A212 Metformin Induces a pro-immunogenic cytokine response in patients with Head and Neck Squamous Cell Carcinoma
Trisha Wise-Draper, Benyamin Yaniv, Sarah Palacdkharry, Vinita Takiar, Nooshin Hashemi Sadrei
University of Cincinnati

A213 A role for FGF21 in postprandial nutrient homeostasis after Roux-en-Y gastric bypass surgery
Lydia-Ann Harris, Samuel Klein
Washington University in St. Louis, Institute of Clinical and Translational Sciences

A214 Effect of the Microbiota-Derived Uremic Toxin Indoxyl Sulfate on FMO Expression and TMAO Formation: A Pilot Study
Alexander John Prokopienko, Raman Venkataramanan, Anand A. Joshi, Thomas D. Nolin
University of Pittsburgh

A215 TL1 team approach to investigating the motivational spectrum in Parkinson’s disease
Robert Stephen Eisinger, Bonnie Scott, Dawn Bowers, Aysegul Gunduz
University Of Florida Clinical and Translational Science Institute

A216 Alterations in the adrenal androgen biome during normal and premature adrenarche
Juliee Rege, Josephine Z. Kasa-Vubu, Adina F. Turcu, Antonio M. Lerario
University of Michigan School of Medicine

Lorne Farovitch, Tim Dye, Ben Miller, Brian Leydet
University of Rochester Medical Center

A218 Determining if intestinal commensal bacteria enhance the frequency of reassortment of an enteric, segmented virus, revivirus.
Matthew Lanahan, Andrea Erickson, Julie Pfeiffer
University of Texas Southwestern Medical Center Dallas
A219 Increased Prevalence of Fibro-proliferative Disorders in Patients with Central Centrifugal Cicatricial Alopecia
Oluwayemisi A. Dina, Crystal Aguh
 Meharry Medical College

A220 Chronic inflammation-induced depletion of caveolin-1 in Type 2 Diabetes mediates the development of Alzheimer’s disease
Jacqueline A. Bonds, Zhenlong Chen, Leon Tai, Marcelo Bonini, Jacob Haus, Richard D. Minshall, Orly Lazarov
 University Of Illinois At Chicago Center for Clinical and Translational Science

A221 The contribution of commensal oral bacteria to periodontal health through the regulated expression of neutrophil chemotactic molecules in the murine junctional epithelium
Ana Marie Chang, Adeline Hajjar, Richard Darveau
 University of Washington

A222 15N-Leucine transport across the blood brain barrier is significantly impaired in the glutamine synthetase-inhibited brain
Shaun Evan Gruenbaum, Roni Dhaher, Kevin Behar, Hutton Zaveri, Mark Erfe, Tore Eid
 Yale School of Medicine

A223 Preeclamptic placental stromal cells exhibit defective re-decidualization and reduced suppression of sFlt1 transcription in vitro
Margaret Sahu, Deepak Venkataraman, Alicia Smith, Martina Badell, Neil Sidell, Augustine Rajakumar
 Emory University

A224 A differential mobility-mass spectrometry platform for biomarker discovery in chronic kidney disease
Stefanie Wernisch, Subramaniam Pennathur
 University of Michigan School of Medicine

A225 Cellular and molecular mechanisms of heart failure: toward an understanding of the role of Phospholamban in the regulation of cardiac function in humans
Maria Giovanna Trivieri, Roger Hajjar, Francesca Stillitano, Delaine Cheholski, Kenneth Fish, Kevin Costa, Evangelia Kranias, Irene Tumbull
 Icahn School of Medicine at Mount Sinai

A226 Tumor suppressor RARRES1 regulates cell survival by modulating mitochondrial energetics
Sara Maimouni, Mi-Hye Lee, You-Me Sung, Chokri Ouaari, Stephen Byers
 Georgetown - Howard Universities

A227 Day-to-day Association between Alcohol Use and Physical Activity in University Students
Scott Graupensperger, Michael Blair Evans
 Penn State Clinical and Translational Science Institute

A228 EZH2 Inhibition Prevents Dysregulation of Critical Survival Genes and Potentiates Standard-of-Care-Mediated Cell Death in Ewing’s Sarcoma
Pankita Hemant Pandya, Barbara Bailey, Adily Elmi, Courtney Hemenway, Anthony Sinn, Lang Li, Jamie Renbarger, Karen Pollok
 Indiana University School of Medicine

A229 Brain resuscitative oxygen strategies in pediatric cardiac arrest
Alexandra Marquez, Todd J. Kilbaugh
 University of Pennsylvania School of Medicine

A230 CD8+ cytotoxic T cells directly injure axons in the Theiler’s murine encephalomyelitis model of multiple sclerosis
William Schmalstieg
 University of Minnesota CTSI

A231 A Single-cycle Adenovirus Vaccine against Ebola Virus
Stephanie S. Anguiano-Zarate, William E. Matchett, Pramod Nehele, Jagannadha K. Sastry, Michael A. Barry
 Mayo Clinic

A232 Targeted Eccentric Motor Control to Improve Locomotion after Incomplete Spinal Cord Injury
Kevin O’Brien, D. Michele Basso, James Schmiedeler
 Indiana University School of Medicine

A233 Visual-spatial impairments after right-hemisphere stroke - let’s not neglect what’s not neglect!
Anna Greenwald, Katrina Ferrara, Barbara Landau, Elissa Newport, Dorothy Farrar Edwards, Alexander Dromerick
 Georgetown - Howard Universities

A234 A CTSA External Reviewer Exchange Consortium; description and lessons learned
Margaret Schneider, Tanya Mathew, Madeline Gibson, Christine Zeller, Hardeep Ranu, Adam Davidson Pamela Dillon, Nia Indelicato, Aileen Dinkjian
 Institute for Clinical and Translational Science - University of California, Irvine

A235 Neural Correlates of Face Processing in Autism Spectrum Disorder: A Quantitative Meta-analysis of Current Literature & Future Directions
Carla J Ammons, Mary-Elizabeth Winslett, Rajesh K. Kana
 University of Alabama at Birmingham

A236 Mechanisms of KCNT1 pathogenesis in early-onset epilepsy
Tracy S. Gertler, Alfred L. George Jr.
 Northwestern University

A237 Establishing resting state MRI and magnetic resonance spectroscopy as biomarkers for traumatic brain injury
Robert Boggs, Lora Katherine Talley Watts, Geoffrey Clarke
 University of Texas Health Science Center San Antonio

A238 The Direct Effect of Trimethylamine-N-Oxide (TMAO) on Cardiac Muscle Contractile Mechanics
Carlee I. Oakley, David Sanborn, Nikita Rafie, Matt Hendrix, Michael Grillo, Julian Vallejo, Jason R. Stubbs, Tiliitha Shawgo, Emmanuel Daon, George Zorn III, Michael J. Wacker
 University of Kansas Frontiers

A239 Central Autonomic Network Dysfunction Implicated in Alcohol-Related Intimate Partner Violence
Brandi C. Fink
 University of New Mexico Clinical and Translational Science Center
A240 Characterization of human islet heterogeneity: A blueprint for stem cell derived islet regeneration
Joshua Wesley Ohde, Mike Slama, Quinn Peterson
Mayo Clinic

A241 Impacts of postnatal nest change on early development
Antonia Patrice Francis, Anna Kuznetsova, Keith Martinez II, Maria Gloria Dominguez-Bello
NYU - H+H Clinical and Translational Science Institute

A242 Trauma Related Acute Respiratory Distress Syndrome (ARDS) in India: Current Incidence and Management Strategies
Tessa Adžemović, Pauline Park
University of Michigan School of Medicine

A243 Transcriptome-wide alternative splicing patterns in septic children with bacterial and viral respiratory infections
Sydney Elizabeth Behrmann, Jeffery Shadley, Michael Quasney
University of Michigan School of Medicine

A244 Remembering Complex Scenes: New Methods to Assess Contextual Memory in PTSD
Elizabeth Duval, Rachel A. John, Sonalee A. Joshi, James L. Abelson, Israel Liberzon
University of Michigan School of Medicine

A245 Characterization of the Host Pericyte Role in Glioblastoma Angiogenesis
Frank Attenello III, Yingxi Wu, Kathleen Tsung, William Mack, Thomas Chen, Bertislav Zlokovic
University of Southern California

A246 Patient-derived xenografts isolated from local New Orleans patients as a translational model to screen for novel kinase pathways in triple negative breast cancer
Margarite D. Matossian, Hope Burks, Annie Bowles, Rachel Sabol, Van Hoang, Steven Elliott, Bruce Bunnell, Alex Alforsith, Krzysztof Moroz, Arnold Zea, Adam Riker, Steven Jones, Ayse Ucar Bilyeu, Fokhrul Hossain, Lucio Miele, Kristin Miller, Elizabeth Martin, Benjamen O'Donnell, Nicholas Pashos, Matthew Burow, Bridgette Collin-Burow
Tulane University School of Medicine- LA CaTS

A247 Treatment with activated mesenchymal stem cells increases long-term functional recovery following ischemic stroke via reduction of microglia activation and induction of oligodendrogenesis
Matthew K. Tobin, Amelia M. Bartholomew, Orly Lazarov
University of Illinois At Chicago Center for Clinical and Translational Science

A248 LDLR-Related Protein 1 Increases Cytokine Sensitivity-Implications for Recovery after Brain Damage
Sadiya Ahmad, Reed
University of Texas Health Science Center San Antonio

A249 Modulation of autophagy in intestinal health and inflammation
Eliseo Castillo
University of New Mexico Clinical and Translational Science Center

A250 Targeting Isoform-Specific PI3 Kinase Signaling for Treatment of Cutaneous T Cell Lymphoma
Suravi Raychaudhuri, Chi-Heng Wu, Weiyun Ai
University Of California, San Francisco

A251 Decoding / encoding somatosensation from the hand area of the human primary somatosensory (S1) cortex for a closed-loop motor / sensory brain-machine interface (BMI)
Brian Lee, Richard Andersen, Helena Chui, William Mack
University of Southern California

A252 Optimizing Voice Therapy with Precision Rehabilitation
Maria Bane, Joseph C. Stemple
University of Kentucky Center for Clinical and Translational Science

A253 Physiological Reactivity as a Biomarker of Anxiety and Depressive Symptoms in Youth Diagnosed with Chronic Gastrointestinal Disease
Bonney Reed-Knight, Tanja Jovanovic, Rebecca Hinrichs
Emory University

A254 Impact of Spoken Sentence Predictability on Cognitive Spare Capacity in Elderly Adults with Hearing Loss
Cynthia R. Hunter, David B. Pisoni, Dakota Collins, Larry E. Humes
Indiana University School of Medicine

A255 Neural correlates of externally versus internally guided dance-based therapies for people with Parkinson's disease
Amrit Kashyap, Madeleine Hackney, Venkatagiri Krishnamurthy, Lisa Krishnamurthy, Krish Sathian, Bruce Crosson, Steve Wolf, Daniel Corcos, Jonathan Drucker, Marian Evatt, Gopi Kaundinya, Aaron Bozzorg, Aret Hart
Emory University

A256 Novel PGF2a synthesis pathway in epithelial ovarian cancer
Muhan Hu, Ekta Tiwary, Rebecca Arend, Michael Miller
University of Alabama at Birmingham

A257 Macrophages Protect Skeletal Muscle from Trauma-Induced Heterotopic Ossification by Regulating Dystrophic Calcification
Stephanie Moore-Lotridge, Breanne HY. Gibson, Joseph T. Martin, Gregory D. Hawley, Thomas H. Arnold, Masanori Saito, Jonathan G. Schoenecker
Vanderbilt University Medical Center

A258 Identifying the Genetic Determinants of Human Brown Adipose Tissue
Tobias Becher, Paul Cohen, Andreas Wibmer, Daniel J. Kramer
The Rockefeller University

A259 A robust spatial normalization pipeline for individuals with focal cortical lesions
Andrew DeMarco, Peter Turkeltaub
Georgetown - Howard Universities

A260 Deciphering fat distribution through functional genomics
Kalypso Karastergiou
Icahn School of Medicine at Mount Sinai
A261 Protein production as an early pharmacodynamics biomarker for RNA-Targeting Therapies
Wade Kerner Self, Kathleen Schoch, James Bollinger, Tracy Cole, Holly Kordasiewicz, Randall Bateman, Timothy Miller
Washington University in St. Louis, Institute of Clinical and Translational Sciences

A262 STAG2 as a Biomarker for Prediction of Recurrence in Papillary Non-Muscle Invasive Bladder Cancer
Alana Lelo, Brent T. Harris, Deborah L. Berry, Krysta Chaldekas, Anagha Kumar, David Solomon, Jeffrey Simko, Prithis Bhattacharyya, Ciara Mannion, Jung-Sik Kim, George Phillips, Todd Waldman
Georgetown - Howard Universities

A263 EGFR Activation Contributes to Immune Evasion in HNSCC
Sean Korpeia, Trista Hinz, Raphael Nemenoff, Sana Karam, Ayman Oweida, Lynn Heasley
University of Colorado at Denver

A264 Quantitative Pathology for Alpha-Synuclein, Tau, and Amyloid Beta in Alzheimer’s Disease and Lewy Body Disorders
David Coughlin, Andrew Williams, Mendy Liang, John Trojanowski, Daniel Weintraub, Andrew Siderowf, Murray Grossman, David Irwin
University of Pennsylvania School of Medicine

A265 Lafora Disease Premature Termination Codons (PTCs) are Likely Candidates for Suppression by Aminoglycosides
Zoe Raine Simmons, Amanda Sherwood, Selena Li, Sylvie Gameau-Tsodikova, Matthew Gentry
University of Kentucky Center for Clinical and Translational Sciences

A266 The Role of Interleukin-23 in Human Melanoma
Aditi Jani, Sandeep Chaudhary, Zorica Janjetovic, Mohammad Asif Sherwani, Nabiha Yusuf, Andrzej Slominski, Mohammad Athar, Craig Elmets
University of Alabama at Birmingham

A267 Quantitative Structural Knee Measurements Improve Classification of Accelerated Knee Osteoarthritis: Data from the Osteoarthritis Initiative
Lori Lyn Price, Timothy E. McAlindon, Mamta Amin, Charles B. Eaton, Julie E. Davis, Bing Lu, Grace H. Lo, Michael E. DeBakey, Jeffrey Duruya, Mary F. Barbe, Jeffrey B. Driban
Tufts Medical Center

A268 Linking LSD1 to Inflammation-Induced EMT
Sam Miller, Heather O’Hagan
Indiana University School of Medicine

A269 CXCR4 is required for progression of T cell acute lymphoblastic leukemia
Cynthia Chen
NYU - H+H Clinical and Translational Science Institute

A270 Rational Target Selection for Gene Therapy Applications Guided by Microhomology-Mediated End Joining
Hirotaka Ata, Thomas Ekstrom, Kyle Schaeffauer, Jarryd Campbell, Tanya Schwab, Alvin Ma, Karl Clark, Stephen Ekker
Mayo Clinic

A271 Neurocognitive Function in Adolescents with Hyperthyroidism
Stephanie L. Samuels, Kosha Ruparel, Jeffrey Valdez, Allison M. Port, Ruben C. Gur, Andrew J. Bauer
University of Pennsylvania School of Medicine

A272 The Nasopharyngeal Microbiome is Perturbed and Associated with Increased Clinical Severity During Acute Respiratory Viral Infection
Darrell Dinwiddie, Ashlee K. Bradley, Jesse L. Denson, Joshua L. Kennedy, Walter N. Dehority, Kurt C. Schwalm, Stephen A. Young
University of New Mexico Clinical and Translational Science Center

A273 Lost and Found – Detection of Brain Cardiolipins in Plasma after Cardiac Arrest
Andrew Michael Lamade, Tamil S. Anthinymuthu, Elizabeth Megan Kenny, Hitesh Sidwani, Nicholas Krehel, Valerian Kagan, Cameron Dezfulian, Hulya Bayar, Andrew A. Amoscato
University of Pittsburgh

A274 Rapid coaxial probe electrochemical (CoPE) ablation device development using computer aided design (CAD) and 3D printing
Elliot Stein, Nicholas Perkons, Joseph Wildenberg, Stephen Hunt, Gregory Nadolski, Terence Gade
University of Pennsylvania School of Medicine

A275 Inducing anti-tumor immunity in colorectal cancer
Jonathan B. Mitchem, Yue Guan, Mark Daniels, Emma Teixeiro
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A276 Urinary Tract Infections in Children with Kidney Allografts: Risk Factors and Clinical Consequences
Annie Farrell, Larry Greenbaum, Traci Leong
Emory University

A277 Impact of marijuana on cognitive performance among HIV-seropositive Hispanic women
Bexaida Diaz, Miriam Matos, Kalpana J. Kallianpur, Rosa Rodriguez, Shilpa Buch, Valerie Wojna
University of Puerto Rico-Medical Sciences Campus

A278 Desorption electrospray mass spectrometric determination of isocitrate dehydrogenase mutation status and tumor cell percentage in human glioma biopsies during tumor resection
Clint Miles Alfaro, Valentina Pirro, Michael Keating, Eyas Hattab, Aaron Cohen-Gadol, Robert Graham Cooks
Indiana University School of Medicine

A279 Solid-State MRI as a nonradiative alternative to computed tomography for craniofacial imaging
Rosaline Zhang, Hyunyeol Lee, Xia Zhao, Hee Kwon Song, Felix Wehrli, Scott Bartlett
University of Pennsylvania School of Medicine

A280 Pharmacokinetics of Phosphatidylethanol 16:0/20:4 Homolog in Human Blood After Consumption of 0.4 and 0.8 g/kg Alcohol in a Laboratory Clinical Study
Marisa Lopez-Cruz, Nathalie S. Hilt-Kapturczak, Jesus J. Sanchez, John D. Roache, Tara Wright, Donald Dougherty, Martin Javors
University of Texas Health Science Center San Antonio
A281 Melanoma associated antigen A3 (MAGE-A3) influences cutaneous squamous cell carcinoma growth in vivo
Alexis Santana, Nazanin Roudiani, Diane Felsen, John Carucci
NYU - H+H Clinical and Translational Science Institute

A282 Disruption of a Short Open Reading Frame (sSORF) In The mRNA 5' Leader Sequence (5'LS) of the Type 1 Angiotensin Receptor (AT1R) Increases Angiotensin II (Ang II)-Induced AT1R Internalization and Signaling through the Extracellular Signal-Regulated Kinases
Parnika Kadam, Hong Ji, Amrita V. Pai, Junfeng Ma, Robert Speth, Susette Mueller, Kathryn Sandberg
Georgetown - Howard Universities

A283 Validation of the Individuated Grip Gauge Interface as a Force Modulating Tool in Subjects After Stroke
Berkenesh Gebrekristos, Daniel Neumaier, Adelyn Tsu, Karunesh Ganguly
University Of California, San Francisco

A284 Development of Novel Mitochondrial Metabolism Inhibitors
Jay Patel, Stephen Byers
Georgetown - Howard Universities

A285 Role of the antioxidant enzyme catalase in respiratory syncytial virus infection
Maria Ansar, Jeffrey M. Chambliss, Naryana Komaravelli, Teodora Ivanciuc, Antonella Casola, Roberto P. Garofalo
University of Texas Medical Branch

A286 Associations of Transthoracic Echocardiographic features with Cardioembolic Stroke among patients without Atrial Fibrillation
Michelle C. Johansen, Nicole L. Williams, Rebecca F. Gottesman
Johns Hopkins University School of Medicine

A287 Hitting the Bullseye: Identifying targeted therapy for Hnrnpu-related epilepsy
Sarah Anne Dugger, Verity Letts, Matthew Halvorsen, Wayne Frankel
Columbia University, Irving Institute for Clinical

A288 The Role of The Gut Microbiota in Dopaminergic Neuron Vulnerability
Dimitri Koutzounis, Jose Pino, Macarena Vergara, Julia Buddendorf, Gonzalo Torres
University Of Florida Clinical and Translational Science Institute

A289 Variable off-target effects of clinically advanced PARP inhibitors
Monicka Wielgos-Bonvallet, Jay Patibandla, Michelle Firlit, Paulina Cybulaska, Elke Van Oudenhove, Petar Jelinic, Douglas A. Levine
NYU - H+H Clinical and Translational Science Institute

A290 Specialized taster cells in sinonasal mucosa trigger IL-25 mediated inflammation in chronic rhinosinusitis with nasal polyps
University of Pennsylvania School of Medicine

A291 The microbial-derived short chain fatty acid butyrate directly and differentially inhibits gut T helper cell subset activation and proliferation.
Jon Kibbie, Stephanie Dillon, Moriah Castleman, Jay Liu, Martin McCarter, Cara Wilson
University of Colorado at Denver

A292 Genital Microbiomes of Women with Recurrent Bacterial Vaginosis and their Regular Male Sexual Partner
Christina Ann Muzny, William J. Van Der Pol, Elliot J. Lefkowitz, Arindam Ghosh, Mei Li, David Redden, Xiangqin Cui, Jane Schwebke
University of Alabama at Birmingham

A293 Altered Taste Reward Prediction Error and Cortisol Response in Adolescent Anorexia Nervosa
Marisa C. Deguzman, Megan Shott, Brogan Rossi, Guido Frank
University of Colorado at Denver

A294 Suppression of Ferroptosis through 12/15-Lipoxygenase Inhibition is Neuroprotective after Traumatic Brain Injury
University of Pittsburgh

A295 Investigating the Role of Semaphorin 7a in Hormone Receptor Positive Breast Cancer Progression
Lyndsey Crump, Alan Elder, Sarah Elizabeth Tarullo, Paris Franz, Traci Lyons
University of Colorado at Denver

A296 Vitamin C for the Treatment of KRAS Mutant Pancreatic Cancer
Anita Gade, Jonathan Zippin
NYIT College of Osteopathic Medicine

A297 Development and validation of a translational rat model of neonatal abstinence syndrome
Lisa Brents, Verity Letts, Matthew Halvorsen, Wayne Frankel
Columbia University, Irving Institute for Clinical

A298 The influence of affect on behavior: Using computational modeling to improve the identification of clinically-relevant social deficits
Katherine O’Connell, Brandon Padgett, Abigail A. Marsh
Georgetown - Howard Universities

A299 The plasma contact system and its role in common variable immunodeficiency (CVID): an explorative study.
Tuksa Smith, Manish Ponda, Jan Breslow, Charlotte Cunningham-Rundles
The Rockefeller University

A300 Optogenetic stimulation of corticotropin-releasing hormone expressing neurons in Barrington’s nucleus recapitulates the social stress voiding phenotype in mice
Jason Van Batavia, Stephan Butler, Joanna Fesi, Rita Valentino, Stephen Zderic
University of Pennsylvania School of Medicine
A301 Discriminating formal representations of risk in anterior cingulate cortex and inferior frontal gyrus
John Purcell, Rena Fukunaga, William Hetrick, Joshua Brown
Indiana University School of Medicine

A302 Community Forums as a Channel for Communicating with the Public and to Influence Perceptions of Cancer Clinical Trials
Elizabeth Flood-Grady, Vaughan James, Janice L. Krieger
University Of Florida Clinical and Translational Science Institute

A303 Guidance of surgical decision making by virtual cortical resection in medically intractable epilepsy
Fadi Mikhail, Lohith Kini, Kathryn Davis, Danielle Bassett, Brian Litt
University of Pennsylvania School of Medicine

A304 Tumor suppressors p53 and ARF control oncogenic potential of triple-negative breast cancer cells by regulating RNA editing enzyme ADAR1
Che-Pei Kung, Emily A. Bross, Catherine E. Kuzmicki, Michael Benjamin, Leonard B. Maggi Jr., Jason D. Weber
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

A305 Feasibility, Acceptability, and Appropriateness of the Menstrual Cup forShort Term Non-Surgical Management of Vesicovaginal Fistula (VVF) among Potential Users and Stakeholders
Nessa E. Ryan
NYU - H+H Clinical and Translational Science Institute

A306 MYC-driven lymphomas suppress NK surveillance by blocking maturation of early NK cells
Line Dam Heftdal, Srividya Swaminathan, Dean Felsher
Stanford University School of Medicine

A308 Differential effects on hair and skin pigmentation following application of a topical soluble adenylyl cyclase inhibitor
Olivia Wind, Dailee Zhou, Amanda Zippin, Jonathan Zippin
Albert Einstein College of Medicine

B73 Analysis of the Initiation of Comfort Care Immediately Following Emergent Neurosurgical Operations
Joseph R. Linzey, James F. Burke, Craig Williamson, Luis Savastano, B. Gregory Thompson, Karin M. Muraszko, Aditya S. Pandey
University of Michigan School of Medicine

B74 Improved Quality of Life for IBD Patients Using Mobile Based Remote Monitoring Platform: A Randomized Control Trial
Ashish Atreja, Emamuzo Otobo, Benjamin Cohen, Laurie Keefer, Jason Rogers, Thomas Ullman, Steven Itzkowitz, Bruce Sands
Icahn School of Medicine at Mount Sinai

B75 Use of Electronic Patient Reported Outcomes and Automated Devices for Heart Failure Disease Management
Ashish Atreja, Emamuzo Otobo, Jennifer Ullman, Marni Goldstein, Sean Pinney
Icahn School of Medicine at Mount Sinai

B76 Mobile Enhancement of Motivation in Schizophrenia: Improving Motivation with Text-Messages
Lauren Luther, Melanie A. Watkins, Annalee V. Johnson-Kwochka, Michelle P. Salyers
Indiana University School of Medicine

B77 Targeting Social Impairment in Serious Mental Illness Using Real-World Audio Recordings
Kyle S. Minor, Paul H. Lysaker, Sarah E. Wiehe, Beshoun J. Davis, Matthew P. Marggraf, Megan L. Robbins
Indiana University School of Medicine

B78 Natural Language Processing, and Machine Learning to Understand Successful Psychotherapy
Adam Miner, Stewart Agras, Bruce Arnow, Nigam Shah, Steve Asch, Tim Althoff
Stanford University School of Medicine

B79 Augmented reality with Microsoft HoloLens as a training platform for healthcare professionals
Ian Anthony DeAndrea-Lazarus, Cabiria Monica Barbosu, Beatrice Aladin, Cheryl Smith, Jack Chang, Timothy De Ver Dye
University of Rochester Medical Center

B80 Identifying Biologically Implausible Anthropometric Values in a Multisite Extraction of EHR Data for Secondary Use
Dena S. Moftah, Daryl L. Wieland, Caroline S. Jiang, Amanda Cheng, Peter R. Holt, Jan L. Breslow, Michael J. Zinaman, Jonathan N. Tobin
Clinical Directors Network, Inc. (CDN)

B81 Choosing the best path: Determining data quality for subject identification within clinical research on buprenorphine use during pregnancy within a medical center
Brooke A. Levandowski, Lauren Miller, Ken Edell, Heather Link, Katelyn Carey, David Pinto
University of Rochester Medical Center

Group B: Friday, 2:15 PM – 3:15 PM and 6:00 PM – 7:30 PM

Biomedical Informatics/Health Informatics/Digital Health/Social Media

B71 A Survey Assessment of Urologists’ Exposure to, Perception of, and Utilization of Focal Ablation for Primary Treatment of Prostate Cancer
Wilson Lin, Meenakshi Davuluri, Mark Schoenberg, Kara Watts
Albert Einstein College of Medicine

B72 Motor Adaptation to Sideway Tilted Gait Training in Children with Hemiparesis
Yen-Sheng Lin, Tasos Karakostas, Yasin Daher
Northwestern University
**B82** Engaging Adolescents with Sexual Health Messaging: A Qualitative Analysis
Lauren S. Chernick, Arianna Gonzalez, Suzanne Bakken, Melissa Stockwell, Anke Ehrhardt, Carolyn Westhoff, John Santelli, Peter Dayan
Columbia University, Irving Institute for Clinical Development and validation of a custom web-based interactive application for analysis of the renal resistive index as an acute kidney injury biomarker
Benjamin Andrew, Elias Y. Andrew, Anne D. Cherry, Mark Stafford-Smith
Duke University

**B84** Graphical Methods for Discovering Opioid Misuse Trajectories
Ram Gouripeddi, Linda Edelman, Peter Mo, Mollie Cummins
The University of Utah School of Medicine

**B85** Use of home-based telemedicine to improve healthcare utilization and outcomes in pediatric patients with poorly controlled type 1 diabetes
Stephanie Crossen, Hadley Sauers-Ford, Shelby Chen, Victoria Tran, Breanne Harris, Nicole Glaser, James Marcin
University of California, Davis

**B86** Toward Automatic Knowledge Discovery from Biomedical Literature: A Case Study Using the National Health and Nutrition Examination Survey
Diane Walker, Samir Abdelrahman, Julio C. Facelli
The University of Utah School of Medicine

**B87** Fostering Cross-disciplinary Research: Lessons Learned from STTSTEP-UP
Hannibal Person, Adjoa R. Smalls-Mantey, Oluwasheyi Ayeni, Dagmar Hernandez-Saurez, Emma K T Benn, Emilía Bagiella, Janice Lynn Gabriolove
Icahn School of Medicine at Mount Sinai

**B88** Teaching Rigor, Reproducibility, and Transparency Using Gamification
James Willig, Jennifer Croker, Brian Wallace, Donald Dempsey, David Redden
University of Alabama at Birmingham

**B89** Listening for Empathy: Audio Narratives in DPT Curriculum as a Model for Interprofessional Education
Jeffrey S. Farroni, Laura W. Farroni, Rebecca Russell
UTMB Galveston

**B90** CTSI 500 Stars Initiative (CTSI of SE-Wisconsin)
Doriel D. Ward, Orsolya Garrison, Chaminia Gary, Memory Bacon, Tim Sobolka
The Medical College of Wisconsin

**B91** Promoting Collaboration Among Researchers: A Team Science Training Curriculum
Jacqueline Knapke, Amy Short, Tamilyn Bakas, Jacinda Dariotis, Elizabeth Heubi, Saundra Regan, Barbara Speer, John Kues
University of Cincinnati

**B92** Acute Care Research Competencies for Clinical Research Professionals: A Practitioner Inquiry Approach and Assessment
Jacqueline Knapke, Brett Kissela, Lynn Babcock, Stephanie Schuckman
University of Cincinnati

**B93** Advancing research professionals through competency assessments
Rebecca Namenek Brouwer, Denise C. Snyder, Deborah Hannah, Christine Deeter
Duke University

**B94** Research navigation services and onboarding: Succeeding in the research environment
Rebecca Namenek Brouwer, Geeta Swamy
Duke University

**B95** Developing and Enhancing Mentoring Skills in Mid-Career Academic Faculty – An Update
Keith Argenbright, Amy Mackenroth
Moncrief Cancer Institute

**B96** Selectives: Implementing self-directed collaborative selectives as part of a curriculum for pre-health care professional students.
Leonor Corsino, Stephanie A. Freel, Melanie Bonner, Joan Wilson, Christie McCray, Maureen Cullins, Linda S. Lee, Kathryn M. Andolek, Denise C. Snyder
Duke University
B103 Integration of Leadership Training for Graduate and Medical Students Engaged in Translational Biomedical Research: Examining Self-Efficacy and Self Insight
Celia Chao, Mark R. Hellmich, Kevin Wooten, Judy Aronson, Jonathan D. Hommel, Ross Ungerleider, Jamie Ungerleider
UTMB

B104 The need for an evidence-based CTS specific IDP for Early Career Training and for a Long-term and Sustainable Career in Clinical Translational Sciences.
Camille Anne Martina, Janice Lynn Gabrilove, Naomi Luban, Cecilia Maria, Fatimo Sutton
University of Rochester Medical Center

B105 Cure Quest: Teaching the complexities of drug discovery and development through an adventure game
Benjamin Chang, Shawn Lawson, Kathleen Ruiz, Mei Si, Jeremy Stewart, Emilia Bagiella, Janice Lynn Gabrilove, Emma K. T. Benn
RPI, School of Humanities, Arts and Social Sciences

B106 Learning to LEAD: Leadership Emerging in Academic Departments
Janice Lynn Gabrilove, Cara Della Ventura, Layla Fatiah, Elizabeth Howell, Michele Fredericks, Lisa Bloom, Byron Cryer, Helen Yin
Icahn School of Medicine at Mount Sinai

Susan Lynn Murphy, Elias M. Samuels, Christine Byks-Jazayeri, Ellen Champagne, Jordan Hahn, Brenda Eakin, Robert Kolb, Linda S. Behar-Horenstein, Susan Gardner, Fanny Ennever, Mary-Tara Roth, Margarita L. Dubocovich, Gregory Homish, Meher Singh
University of Michigan School of Medicine

B108 Mount Sinai Health Hackathon: harnessing the power of collaboration to advance large team science education
Janice Lynn Gabrilove, Peter Backeris, Louise Lammers, Anthony Costa, Layla Fatiah, Caroline Eden, Jason Rogers, Kevin Costa
Icahn School of Medicine at Mount Sinai

B109 Developing Personalized Pathways for Training using CTSA Core Competencies
Susan Pusek, Beth Rydstrom Knudson, Rebecca Jackson, Joel Tsevat, David H. Ingbar, Joan Davis Nagel
University of North Carolina School of Medicine

Maria T. San Martin, Ruth Rios, Barbara Segarra, Karen G. Martinez, Estela Estape, Margarita Irizarry-Ramirez
University of Puerto Rico-Medical Sciences Campus

B111 Implementing A Culture Changing Mentor Recognition in Clinical and Translation Research
Christine Byks-Jazayeri, Elias M. Samuels, Elizabeth W. Anderson, Vickie Ellingrod
University of Michigan School of Medicine

B112 Evaluating the impact of a K-award on clinical and translational research
Elias M. Samuels, Thomas E. Perorazio, Ellen Champagne, Brenda Eakin
University of Michigan School of Medicine

B113 Evaluating the impact of a K-award writing seminar on participants’ training grant awards.
Elias M. Samuels, Thomas E. Perorazio, Ellen Champagne, Christine Byks-Jazayeri, Santinio Jones
University of Michigan School of Medicine

Health Equity/Community Engagement

B114 Chicago Kids Advisory Board: A novel approach to engaging adolescent students in pediatric clinical research
Ferdynand Hebal, Susanna McColley
University of Chicago

B115 The Value of Storytelling in Community Stakeholder Feedback for Clinical and Translational Research
Laurie Lovett Novak, Sheba George, Kenneth Wallston, Yolanda Vaughn, Tiffany Israel, Yvonne Joosten, Neely Williams, Consuelo Wilkins, Al Richmond
Vanderbilt University Medical Center

B116 Culture meets person-centered care: An empirical study of mental health and care planning among Latinx and Asian communities
Miraj U. Desai, Nadika Paranamana, Maria Restrepo-Toro, Luz Ocasio, Yolanda Herring, Meher Singh
Yale School of Medicine

B118 Community-Informed Adaptation of Group Well Child Visits for Limited English Proficiency Latino Families
Rheanna Platt, Sarah Polk
Johns Hopkins University School of Medicine

B119 Environmental barriers and facilitators of health care access and utilization for elderly stroke survivors
Allison Brenner, Lesli E. Skolarus, Philippa J. Clarke, James F. Burke
University of Michigan School of Medicine

B120 Engaging, Capturing, and Integrating the Voice of the Customer and Collaborator in a Clinical and Translational Science Program
Boris Volkov, Jennifer Cieslak, Brook Matthiesen
University of Minnesota CTSI

B121 Efficacy of a 4-Part Program on Brain Development
Emily Silver, Nancy Michael
Indiana University School of Medicine

B122 Childhood Adversity, Attachment Style, and Home Visiting Engagement
Kelly M. Bower, Deborah Gross, Phyllis Sharps
Johns Hopkins University School of Medicine
B123 Community Perspectives on Engagement in Clinical Research Design, Conduct, and Dissemination
Jen Brown, Cathy Samatas, Ashley Sipocz, Sarah Gabriella Hernandez, Maryann Mason, Gina Curry, Yaa Simpson, Paris Davis
Northwestern University

B124 Achieving Health Equity through Health Department-Academic-Community-Partnerships & Community-Engaged Public Health Research: Healthy Chicago 2.0
Jen Brown, Rachelle Paul-Brutus, Marc Atkins, Sarah Rittner, Doriane Miller, Amparo Castillo
Northwestern University

B125 "Translation is a Team Sport": Exploring Scientists’ Perceptions of a Clinical & Translational Science Institute as a Vehicle for Collaboration
Rachel Elisabeth Damiani, Samantha Paige, Elizabeth Flood-Grady, Vaughan James, Edward Neu, Janice Krieger
University Of Florida Clinical and Translational Science Institute

B126 CE Brokers: Sharing best practices across the CTSA consortium
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B130 Determining the prevalence and associated multi-level characteristics of undiagnosed diabetic retinopathy
Kristen Nwanyanwu, Marcella Nunez-Smith, Mayur Desai, Thomas Gardner
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Daniel Schoenfeld, Larkin Mohn, Joshua Stern, Ilir Agalli
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Singh Nair, Davis Johns, Ellise Delphin, Jonathan Leff
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Susanne Schmidt, Daniell Gordon
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Kathrin Zimmermann, Alexandra Cutillo, Laura Dreer, Anastasia Arynychyna, Brandon G. Rocque
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B154 Evaluating Iron Overload in Pediatric Cancer Survivors
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Achint Patel, William Southern
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B163 Primary Closure of Wide Fasciotomy and Surgical Wounds Using Rubber Band-Assisted External Tissue Expansion: A Simple, Safe, and Cost-Effective Technique
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B164 Post-Discharge Opioid Prescriptions and Their Association with Healthcare Utilization in the Vanderbilt Inpatient Cohort Study
Justin Scott Liberman, Lauren R. Samuels, Kathryn Margaret Goggins, Sunil Kripalani, Christianne Roumie
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B165 Variable Utilization of Cross-Sectional Imaging Prior to Percutaneous Peripheral Vascular Interventions
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B166 Genomic disorders, chronic kidney disease and neurocognitive status in children
Hilda Fernandez
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B167 Improving ClinicalTrials.gov Compliance: A Coordinated Effort for Success
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Stanford University School of Medicine

B168 OHRP meets ToS: Cloud-based Technologies in Human Subject Research
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B169 Development of the Expanded Access Oversight Committee at Michigan Medicine
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B171 Comparison of MRI-Ultrasound Fusion Prostate Biopsy Outcomes in High-Risk Ethnic Cohorts at a Diverse Urban Academic Center
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B172 Synthetic Cannabinoid Usage among Psychiatric Inpatients
Claire Louise Mann, Anahita Bassir Nia, Sharron Spriggs, Steven Carbonaro, Dan DeFrancisco, Yasmin Hurd
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B173 Subjective, Physiological Activation and Habituation, and Response to Written Trauma Narrative Exposure
Mary Katherine Howell, Jennifer R. Myers, Thomas A. Mellman
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B174 Prophylactic broad–spectrum antibiotics for childhood malnutrition
Amy Elizabeth Langdon, Xiaojing Sun, Sheila Isanaka, Gautam Dantas
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

B175 ECG and Echo Characteristics in Familial Partial Lipodystrophy: the impact of Lamin A variants
Abdelwahab Jalal Eldin, Rasmicam Meral, Adam Neidert, Diana Rus, Rita Hench, Hakan Oral, Elif A Oral
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B176 Do Patient Comorbidities Impact the Effectiveness of a COPD Self-Management Program?
Emilia Galli Thurber, Hanan Aboumatar
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B177 “Large patient volume is associated with adverse patient outcomes among those requiring maintenance renal replacement therapy”
Scott Reule, Robert Foley, Areef Ishani, Mark Rosenberg
University of Minnesota CTSI

B178 Prognostic Value of Left Ventricular Mitral Annular Longitudinal Displacement measured by Tissue Doppler Imaging in patients with Acute Coronary Syndrome
Mats Lassen, Kristoffer Grundtvig Skaarup, Allan Zeeberg Iversen, Peter Godsk Jørgensen, Flemming Javier Olsen, Jan Skov Jensen, Tor Biering-Sørensen
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B179 Investigating the Association Between Type 2 Diabetes and Early Knee Cartilage Degeneration via Quantitative MRI – A Pilot Study on the Metabolic Subtype of Osteoarthritis
Joe Darryl Baal, Sarah Foreman, Gabby Joseph, Thomas Link
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B180 A Prediction Model for Thyroid Cancer with Integration of Patient Demographics, History, Ultrasound Characteristics and Bethesda Classification
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B181 Children with acute lymphoblastic leukemia have increased arginine 2 at birth, implicating immunosuppression in leukemogenesis
Amalie Bach Nielsen, Mi Zhou, Adam de Smith, Lucie McCoy, Helen Hansen, Paige Bracci, Scott Kogan, Catherine Metayer, Xiaomei Ma, Joseph Wiemels
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B182 Addressing Challenges from missing data in a Global Quality Improvement Study
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Mayo Clinic
B183 A Phase Ib study of AEB071, a PKC inhibitor, and BYL719, a PI3Kα inhibitor, in Patients with Metastatic Uveal Melanoma
Kimberly M Komatsubara, Richard Carvajal
Columbia University, Irving Institute for Clinical Science

B184 Diagnostic Efficacy of Tracking Regional Brain Volumetric Changes in Patients with Mild Cognitive Impairment using FDA Approved Automated Quantification Software
Christopher Calixte, Ziwei Zhang, Jeffery Petrella
Duke University School of Medicine

B185 Cathodal Transcranial Direct Current Stimulation (tDCS) in Mild Cognitive Impairment (MCI): A Randomized, Double-Blind, Sham-Controlled Pilot Study
Stefanie Velgos, Paul E. Croarkin, Gregory A. Worrell, Yonas E. Geda
Mayo Clinic

B186 Examining Characteristics of Placebo Effects on Trauma-Related Insomnia in a Suvorexant Trial
Kimberly Uweh
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Roshni Janakiraman, Vijay Ramchandani, Melanie Schwandt, Laura Kwako, Nancy Diazgranados
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B188 Obstructive Sleep Apnea as an Independent Predictor of Postoperative Delirium and Pain: An Observational Study of a Surgical Cohort
Patricia K. Strutz, Vanessa L. Kronzer, Mark D. Willingham, Amrita Aranake-Chrisinger, William S. Tzeng, Arbi Ben Abdallah, Simon Haroutounian, Michael S. Avidan
Washington University in St. Louis, Institute Of Clinical and Translational Sciences

B189 The relationship between cognitive functioning and abnormal eating behavior in behavioral variant frontotemporal dementia
Vidyulata Kamath, Grace-Anna Chaney, Chiadi Onyike
Johns Hopkins University School of Medicine

B190 A Prospective Study of Cancer Clinical Trial Availability and Enrollment among Adolescents/Young Adults Treated at a Children's Hospital or Affiliated Adult Cancer Specialty Hospital
Stefanie M. Thomas, Jemily Malvar, Henry Tran, Jared Shows, David R. Freyer
University of Southern California

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Ryan McManah, Evan Walker, Rebecca Sudore
University of California, San Francisco School of Medicine

B193 The Effect of Allopurinol on Pediatric Patients Undergoing Maintenance Chemotherapy for Acute Lymphoblastic Leukemia or Lymphoblastic Lymphoma
Mariam Moazzem Bhuian, Gordon Cohen, Stacy Cooper
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B194 Delirium and Catatonia: Age Matters
Jo Ellen Wilson, Richard Carlson, Maria C. Duggan, Pratik Pandharipande, Timothy D. Girard, Li Wang, Jennifer L. Thompson, Rameela Chandrasekhar, Andrew Francis, Stephen E. Nicolosi, Robert S. Dittus, Stephan Heckers, E. Wesley Ely
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B195 Geographic Distribution of Skull Base Malignancies: Using Spatial Epidemiology to Better Understand the Etiology of Rare Cancers
Jeffrey Lee Nadel, Erin McKeown
University of Michigan School of Medicine

B196 Urinary and sexual function after perineal urethrostomy: A multi-institution analysis from Trauma and Urologic Reconstructive Network of Surgeons (TURNS)
Kirkpatrick Beekman Fergus, Thomas W. Gaither, Gregory P. Murphy, Nima Baradaran, Benjamin Breyer
UCSF

B197 Pathway of Protection: Ethnic Identity, Self-Esteem, and Substance Use among Multiracial Youth
Sycarah Fisher, Tamika Zapolinski
University of Kentucky Center for Clinical and Translational Science

B198 Attitudes toward physical activity and nutrition intervention during treatment for breast cancer
Anne Gilmore, Lucio Miele, Leanne M. Redman
Pennington Biomedical Research Center- LA CaTS

B199 A Collaborative Neurology-Emergency Medicine Rapid Outpatient Clinic for the Management of TIA and Minor Stroke in the Emergency Department
Bernard P. Chang, Rachel Mehendale, Eliza Miller, Benjamin Kummer, Joshua Willey, Mitchell Elkind
Columbia University, Irving Institute for Clinical Science

B200 Donor Age and Allograft Survival in Liver Transplant Recipients with Hepatitis C Virus in the Direct-Acting Antiviral Era
Allison Kwong, Nathan Kim, Aijitha Mannelithara, W. Ray Kim
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B201 Impact of Air Quality in the NICU on Preterm Infants' Urinary Oxidative Stress Biomarkers
Helena Juditha Villalobos, Grace E. McInerney, Emily A. Spear, Homero Harari, Hsiao-Hsein Leon Hsu, Annemarie Stroustrup
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B202 Long-term response to treatment and disease recurrence in a prospective cohort of morphea patients
Stephanie Florez-Pollack, Jack C. O'Brien, Heidi T. Jacob
University of Texas Southwestern Medical Center
B203 Racial/ethnic variation in the relationship between metabolic syndrome components and cardiovascular disease and the role of uric acid among population with metabolic syndrome
Magda Shaheen
David Geffen School of Medicine at UCLA

B204 National Dissemination of the Accrual to Clinical Trials (ACT) Network across the Clinical and Translational Science Award (CTSA) Consortium
Elaine H. Morrato, Lindsay Lennox
University of Colorado at Denver

B205 Pembrolizumab for Patients with Leptomeningeal Disease from Advanced Solid Tumors
Jarushka Naidoo, Chen Hu, Karisa Schrek, Roisin Connolly, Cesar Santa-Maria, Evan Lipson, Ranee Mehra, Chetan, Bettgowda, Kristin Redmond, Arun Venkatesan, Stuart Grossman
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B206 Drug Development Core Facilitates Institutional Collaboration and Translational Science Innovation
Gene Morse, Igor Puzanov, Andrei Gudkov, Robin DiFrancesco, William Jusko, Marc Ernstoff, James Mohler, Timothy Murphy, Robert Bies
University at Buffalo, State University Of New York

B207 Formative Evaluation and Adaptation of a Safe Sleep Intervention for Infants in Rural Underserved Communities
Rosemary Nabaweesi, Mary Atiken, Keneshia Bryant-Moore, Geoffrey M. Curran
University of Arkansas Translational Research Institute

B208 Use it but still lose it: Exploring age-related changes in skeletal stem cell location and activation in response to physical stimulation
Pamela Cabahug Zuckerman, Chao Liu, Alesha B. Castillo
NYU - H+H Clinical and Translational Science Institute

B209 Multivariate Air Pollutant Exposure Prediction in South Carolina
Ray Boaz, Andrew Lawson, John Pearce
Medical University of South Carolina

B210 Synaptic vesicle 2 receptors as a novel targets for neuroendocrine cancer therapy
Renata Jaskula-Sztul, Jason D. Whitt, Jianfa Ou, Margaret X. Liu, Zviadi Aburjania, Herbert Chen
University of Alabama at Birmingham

B211 Improving pilot project application and review processes: A novel application of Lean Six Sigma in translational science
Susanne Schmidt
University of Texas Health Science Center San Antonio

B212 Relationship Power Imbalance and History of Male Partner HIV Testing Among Pregnant Women in Central Uganda
Caroline Vrana, Jeffrey Korte, Angela Malek, Esther Buregyeya, Joseph Matovu, Harriet Chemusto, William Musoke, Rhoda Manyenze
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B213 Targeting Immunosuppressive Myeloid Cells to Enhance Cancer Immunotherapy
Xin Lu
Indiana University School of Medicine

B214 The Role of Lysyl Oxidase in Systemic Sclerosis-Associated Lung Fibrosis
Xinh-Xinh Nguyen, Tetsuya Nishimoto, Takahisa Takihara, Logan Mikar, Ellen Riemer, Jonathan Heywood, Amy Bradshaw, Carol Feghali-Bostwick
Medical University of South Carolina

B215 Discovery and Evaluation of FOXP3 Dimerization Inhibitors
Ravyn Thompson, Cara Coleman, Nathan G. Dolloff
Medical University of South Carolina

B216 Surface Display of Chimeric Proteins for Exosome Imaging and Capturing in Mammalians
Mai Anh Do, Daniel H. Levy, Stacie Lim, Natalie Duong, Kevin Curley, Grace Ling, Biao Lu
Santa Clara University

B217 Analysis of the Nature of Paclitaxel Resistance in APC Knockdown Breast Cancer Cells
Jeni Prosperi, Bronwyn J. Berkeley, Emily Astarita, Anne Arnason
Indiana University School of Medicine

B218 Protective effects of estrogen against hypoxia
Ibolya Rutkai, Tyler C. Dean, Ashwin Adivi, Prasad V G Katakam, David W. Busija
Tulane University School of Medicine - LA CaTS

B219 Single cell genomic profiling of human B cells that are responsible for immune response against pneumococcal polysaccharides in aging HIV-negative and HIV-positive individuals
Myroslawa (Myra) Happe, Devadoss Samuvel, Anita Iyer, Julie Westerink
Medical University of South Carolina

B220 Effects of bilateral frontal tDCS on the working memory network: an fMRI-tDCS study in healthy older adults
Nicole Rachel Nissim, Andrew O’Shea, Lindsey Richards, Rachel Telles, Eric Porges Ronald Cohen, Adam J. Woods
University Of Florida Clinical and Translational Science Institute

B221 CLARITY Reveals Three Dimensional Morphologies and Hidden Connections of Axonal Bulbs Following Traumatic Brain Injury
University of Pennsylvania School of Medicine
B222 The cell-cell adhesion component PLEKHA7 regulates the pro-tumorigenic MIR17HG long non-coding RNA in colon epithelial cells
Mary Catherine Bridges, Joyce Nair-Menon, Antonis Kourtidis
Medical University of South Carolina

B223 CYP2C19*2 and PON1 Q192R polymorphisms are associated with platelet reactivity to clopidogrel in Puerto Rican Hispanics with cardiovascular disease
Dagmar Fredy Hernandez Suarez, Mariana R. Botton, Stuart A. Scott, Matthew I. Tomey, Kyle Melin, Angel Lopez-Candales, Jessica Y. Renta, Jorge Ducorge
Icahn School of Medicine at Mount Sinai

B224 A Novel Folate-Receptor Targeted Optical Contrast Agent with Optimized Fluorescence Spectra Can Improve Intraoperative Detection of Lung Cancer
Christopher Corbett, Jarrod Predina, Andrew Newton, Michael Shin, Lydia Sulyok, Leilee Xia, Philip Low, Sunil Singhal
University of Pennsylvania School of Medicine

B225 Investigation of Patient-Reported Outcomes Following ACL Reconstruction Using Rasch Analysis
Jenny Hunnicutt, Chris Gregory, Brian Pietrosimone, Chris Kuenze, Brittany Hand, Craig Velozo
Medical University of South Carolina

B226 The Role of TGFβ IN Driving Early Cystic Fibrosis Lung Disease
Elizabeth L Kramer, William Hardie, Kristin Hudock, Cynthia Davidson, Alicia Ostmann, John Clancy
Cincinnati Children's Hospital Medical Center

B227 Mental Illness Public Stigma, Culture, and Acculturation among Vietnamese Americans
Mai Do, Do, Jennifer McCleary, Diem Nguyen, Keith Winfrey
Tulane University School of Medicine- LA CaTS

B228 Reducing mental health stigma to promote treatment adherence
Anne Krendl
Indiana University School of Medicine

B229 Regulation of oncologic signaling pathway by Ikaros and Casein Kinase II in Acute Lymphoblastic Leukemia (ALL)
Chandrika Gowda, Chunhua Song, Sinisa Dovat
Penn State Clinical and Translational Science Institute

B230 Inhibition of Hyaluronic Acid Synthesis Decreased Endometrial Cell Attachment
Jennifer Knudtson, Marlen Tellez Santos, Rajeshwar Tekma, Peter Binkley, Jessica McLaughlin, Robert Schenke
University of Texas Health Science Center San Antonio

B231 L1 Expression Analysis in Adipose Derived Stem Cells
Tiffany Kaul, Rachel Sabol, Maria E. Morales, Bruce Bunnell, Prescott Deininger
Tulane University School of Medicine- LA CaTS

B232 miRNA manipulation to improve CFTR correction in cystic fibrosis
William Thomas Harris, Farruk Kabir
University of Alabama at Birmingham

B233 Exploring Gene Expression Signature Shared between Obese Zucker Rat and Human Cardiac Hypertrophy
Mackenzie Newman, Janelle Stricker, Han-Gang Yu
West Virginia University

B234 Acellular Hyaluronic Acid Scaffold with Growth Factor Delivery for Cartilage Repair in a Large Animal Model
Anthony Ryan Martin, Jay M. Patel, Hannah M. Zlotnick, Mackenzie L. Sennet, James L. Carey, Robert L. Mauck
University of Pennsylvania School of Medicine

B235 Functional Characterization of Mutant BRCA1
John Barrows, David Long
Medical University of South Carolina

B236 High Intensity Focused Ultrasound (HIFU) can be used synergistically with tamoxifen to overcome resistance in preclinical and patient derived xenograft models
Rachel Sabol, Hakm Murad, Matthew Burow, Damir Khismatullin, Bruce Bunnell
Tulane University School of Medicine- LA CaTS

B238 The role of the CBX8 chromodomain in binding
Katelyn Connelly, Tyler Weaver, Catherine Musselman, Emily Dykhuizen
Tulane University School of Medicine

B239 Reversing age-related decline using non-cytotoxic transplantation of young hematopoietic stem cells
Michael James Guderyon, Cang Chen, Anidita Bhattacharjee, Xiaogang Wang, Guo Xiaqian, Sophia Ge, Senlin Li
UT Health San Antonio

B240 Hepatic PPP1R3B deficiency induced reduced hepatic insulin signaling results in insulin resistance and NAFLD
Swapnil Vijay Shewale, Daniel Rader, Minal M. Mehta, Nicholas J. Hand
University of Pennsylvania School of Medicine

Ekemini Akan, Shanmuganathan Chandrakasan, Kelly Rouster-Stevens, Laurence Greenbaum, Chelsea Marion, Karl Singer, Ignacio Sanz, Sampath Prahalad
Emory University

B242 Validation of a novel PD-L1 assay for Bladder Cancer Circulating Tumor Cells
Nicolas Seranio, Louise Aguarin, Jay F. Dorsey, John P. Christodoulouas, Gary D. Kao
University of Pennsylvania School of Medicine

B243 Role of macrophage microRNA-150 in age-related macular degeneration
Jonathan Lin, Harsh Moolani, Abdoulaye Sene, Rohini Sidhu, Joseph Lin, Zhenyu Dong, Daniel Ory, Rajendra Apte
Washington University in St. Louis, Institute Of Clinical and Translational Sciences
B244 Creating a comprehensive municipal inventory of common ragweed (Ambrosia artemisiifolia) to predict allergenic pollen exposures
Daniel SW Katz, Stuart Batterman
University of Michigan School of Medicine

B245 A Clinically Relevant Rabbit Surgical Model of Pelvic Reconstruction to Evaluate the Immune Response to Novel Surgical Materials
Aimon Iftikhar, Alexis Nolfi, Pamela Moalli, Bryan Brown
University of Pittsburgh

B246 What genes are involved in the brain food reward circuitry: Findings from a large candidate gene analysis.
Ying Meng, Susan W. Groth, Joyce A. Smith, Harriet Kitzman
University of Rochester Medical Center

B247 Optimizing a Technique for Visualizing Retinal and Choroidal Blood Flow Noninvasively
Paras Vora, Nicholas Bell, Romulo Albuquerque, Jooyoung Cho, Gregory Botzet
University of Kentucky Center for Clinical and Translational Science

B248 Using Neural Connectivity Biomarkers to Predict Depressive Symptomatology in Adolescence
Rajpreet Chahal, David Weissman, Paul Hastings, Richard Robins, Rand Conger, Amanda Guyer
University of California, Davis

B249 Using real-time fMRI neurofeedback as a tool for demonstrating therapeutic efficacy in Cognitive Behavioral Therapy
Kathryn Dickerson, Katherine E. MacDuffie, Jeff MacInnes, Kari M. Eddington, Timothy J. Strauman, R. Alison Adcock
Duke University

B250 TL1 Team Approach for Cancer Cell to Dendritic Cell Conversion in 3D Printed Models
S. Tori Ellison, Mathew Sebastian
University Of Florida Clinical and Translational Science Institute

B251 Non-redundant roles for immune checkpoint blockade and agonistic CD40 in mediating T cell responses in pancreatic ductal adenocarcinoma
Alexander Morrison, Katelyn T. Byrne, Robert H. Vonderheide
University of Pennsylvania School of Medicine

B252 Structure-Based Drug Design of Selective Inhibitors for Carbonic Anhydrase IX as a Triple Negative Breast Cancer Treatment
Carrie Lomelino, Akilah Murray, Mam Mboge, Nicole Horenstein, Coy Heldermon, Susan Frost, Robert McKenna
University Of Florida Clinical and Translational Science Institute

B253 Acute Alcohol Exposure Alters Circulating Cannabinoid Levels in Humans
Tim D. Klepp, Vijay Ramchandani, Rajita Sinha, Honorée White Brewton, Bethany Stangl, Matthew Sloan, Resat Cinar, Laura Kwako, George Kunos
National Institutes of Health

B254 Differentiation of Functional Cardiomyocytes From Induced-Pluripotent Stem Cells Derived from Amniotic Fluid
Mallory Lennon, Damon Pool, Patrick Sean McGrath, Ganna Bilousova, Jeffrey G. Jacob
University of Colorado at Denver

B255 Decreased pulmonary pulse transit is associated with pediatric pulmonary arterial hypertension
Joshua Chew, Jeffrey G. Weiner, Daniel L. Sauers, Eric D. Austin, Jason T. Christensen
Vanderbilt University Medical Center

B256 Estimation of cellular glutamine pool size in breast cancer by [18F](2S,4R)4-Fluoroglutamine PET: a quantitative kinetic approach
Austin Pantel, Hsiaoju Lee, Shihong Li, Robert Doot, Robert Mach, David Mankoff, Rong Zhou
University of Pennsylvania School of Medicine

B257 Characteristics of Affordable Senior Housing Communities Associated with Changes in Older Adults’ Well-Being
Noah J. Webster, Toni C. Antonucci
University of Michigan School of Medicine

B258 Does Maternal Schistosomiasis Affect the Humoral and Cellular Vaccine Responses of Infants?
Deborah Bloch, Taryn McLaughlin, Cheryl Day, W. Evan Secor, Govert van Dam, Paul Corsjtjens, Heather B. Jaspan, Grace John-Stewart, Saad B. Omer, Lisa Cranmer
Emory University

B259 Physiologically- Based Pharmacokinetic Model Incorporating Extrhepatic Glucuronidation Predicts Integrase Inhibitor Pharmacokinetics
Brandon Tyler Gufford, Stephanie N. Liu, Jessica Bo Li Lu, Zeruesenay Desta
Indiana University School of Medicine

B260 Vesicular secretion of suppressor of cytokine signaling 3 by alveolar macrophages is dysregulated in NSCLC patients and its provision inhibits epithelial cell transformation and tumor cell function
University of Michigan School of Medicine

B261 Beyond Diagnosis: Using Ultrasound to Affect Tumor Vasculature for HCC Therapy
Julia D’Souza, Laith Sultan, Sean Carlin, Terence Gade, Stephen Hunt, Chandra Sehgal
University of Pennsylvania School of Medicine

B262 Using small molecules to inhibit the ERG-EWS interaction in prostate cancer
Taylor Nicholas
Indiana University School of Medicine
B263 RNA-nanoparticles to enhance and track dendritic cell migration
Adam Grippin, Elias J. Sayour, Brandon Wummer, Adam Monsalve, Tyler Wildes, Kyle Dyson, Jon Dobson, Duane A. Mitchell
University Of Florida Clinical and Translational Science Institute

B264 First-trimester depression is not associated with birth outcomes in a diverse urban cohort: preliminary results from the New York University Children’s Environmental Health Study
Linda G Kahn, Sara Brubaker, Akhgar Ghassabian, Shilpi S. Mehta-Lee, Lisa M. Nathan, Leonardo Trasande
NYU - H+H Clinical and Translational Science Institute

B265 Defining the role of PHF19 as a promoter of tumorigenicity and therapeutic target in Plasma Cell Leukemia and Multiple Myeloma
University of Arkansas Translational Research Institute

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