### Tuesday, June 20, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00am - 1:30pm</td>
<td>Workshop Registration</td>
<td>Grand Level</td>
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<tr>
<td>8:30am - 12:30pm</td>
<td><strong>MORNING WORKSHOPS</strong> (registration required)</td>
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<tr>
<td></td>
<td>Bias Analysis for Uncontrolled Confounding in Epidemiologic Studies</td>
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<td></td>
<td>Onyebuchi Arah</td>
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<td>Evaluating Causal Exposure-Response Relations in Epidemiological Data: Modernizing the Hill Considerations for Causality</td>
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<td></td>
<td>Tony Cox</td>
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<td></td>
<td>Introduction to Parametric &amp; Semi-Parametric Estimators for Causal Inference</td>
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<td></td>
<td>Jennifer Ahern and Laura Balzer</td>
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<td>Confounding Control for Estimating Causal Effects: Looking under the Hood</td>
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<td>Nicolle Gatto and Ulka Campbell</td>
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<td>Specific Aims &amp; Beyond: Strategies to Increase Chances of a Successful Proposal</td>
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<td>Pam Factor-Litvak</td>
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<td>Systems Science for Epi Research: Theory, Methods &amp; Applications</td>
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<td>Ayaz Hyder</td>
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<td>1:00pm - 5:00pm</td>
<td><strong>AFTERNOON WORKSHOPS</strong> (registration required)</td>
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<td></td>
<td>An Introduction to Directed Acyclic Graphs: What You Never Wanted but Needed to Know about Bias and Didn’t Even Know to Ask</td>
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<td>Ian Shrier</td>
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<td>An Introduction to R for Epidemiologists</td>
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<td>Stephen Mooney</td>
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<td>Critical Review and Preparation of Manuscripts Reporting Epidemiologic Findings</td>
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<td>Moyes Szkel</td>
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<td>Implementing the Parametric G Formula with Complex Longitudinal Data</td>
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<td>Ashley Naimi</td>
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<td>Interaction Analysis</td>
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<td>Tyler VanderWeele</td>
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<td>Introduction to Bayesian Methods for Epidemiologists</td>
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<td></td>
<td>Patrick Bradshaw</td>
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<tr>
<td>4:00pm - 8:30pm</td>
<td>SER Meeting Registration</td>
<td>Grand Level</td>
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<tr>
<td>5:30pm - 7:30pm</td>
<td><strong>EVENING WORKSHOPS</strong> (registration required)</td>
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<td></td>
<td>How to Make a Picture Worth a Thousand Words: Effectively Communicating Your Research Results Using Statistical Graphics</td>
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<td>Mike Jackson</td>
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<td>Introduction to Bayesian Analysis Using Stata</td>
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<td></td>
<td>Chuck Huber</td>
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<td>7:00pm - 8:30pm</td>
<td>Poster Chats (SPC)</td>
<td>SPC Table</td>
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<tr>
<td>7:00pm - 8:30pm</td>
<td>Poster Session 1 &amp; Reception (cash bar)</td>
<td>Ballroom 3</td>
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**Wednesday, June 21, 2017**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00am - 7:45am</td>
<td>Breakfast with the Experts (SPC) (ticket required)</td>
<td>Ballroom 3</td>
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<tr>
<td></td>
<td>Presenters: Alfredo Morabia, Sandro Galea, Diane Lauderdale, Louise Brinton and Ichiro Kawachi</td>
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<tr>
<td>7:00am - 8:00am</td>
<td>Continental Breakfast</td>
<td>Grand Level</td>
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<tr>
<td>7:30am - 5:15pm</td>
<td>Registration</td>
<td>Ballroom 3</td>
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<tr>
<td>8:00am - 9:30am</td>
<td>PLENARY SESSION 1</td>
<td>Ballroom 1-2</td>
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<td></td>
<td>SER President Address: Bernard Harlow</td>
<td>Recording</td>
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<td>Keynote Address: Michelle Williams</td>
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<tr>
<td>9:30am - 10:00am</td>
<td>Break and Poster Viewing</td>
<td>Ballroom 3</td>
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<td>10:00am - 11:30am</td>
<td>SYMPOSIA 1</td>
<td>Ballroom 1</td>
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<td></td>
<td>Checklists and Registration in Observational Epidemiologic Research:</td>
<td>Recording</td>
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<td>Essential Transparency or Scientific Straightjacket?</td>
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<td>Session Chair(s): Justin Lessler and Bryan James</td>
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<td>What assures transparency in observational research?</td>
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<td>Larry Peiper</td>
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<td>Checklists and prespecification: The future foretold?</td>
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<td>Steven Goodman</td>
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<td>Panelists:</td>
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<td></td>
<td>Larry Peiper, Steven Goodman, Timothy Lash and Moyses Szklo</td>
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<td>10:00am - 11:30am</td>
<td>Understanding the Rapidly Evolving Opioid Epidemic: How Can We</td>
<td>Ballroom 2</td>
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<td>Integrate Micro to Macro Epidemiologic Perspectives to Identify Drivers and Potential Solutions?</td>
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<td>Session Chair(s): Christina Mair and Magdalena Cerda</td>
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<td>Heroin in Transition: Understanding shifts in the risk environment for heroin users in the US</td>
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<td>Jay Unick</td>
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<td>Investigating the social ecological contexts of opioid use and overdose in PA</td>
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<td>Jessica Burke</td>
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<td>Geospatial patterns of fentanyl overdose &amp; overdose surveillance systems in Rhode Island</td>
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<td>Brandon Marshall</td>
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<td>Prescription drug monitoring programs and opioid-related harm</td>
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<td>Magdalena Cerda</td>
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<td>Christina Mair</td>
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<td>10:00am - 11:30am</td>
<td>Psychiatric Epidemiology in the Age of Precision Medicine: What is</td>
<td>Fifth Avenue</td>
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<td>Our Role?</td>
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<td>Session Chair(s): Katherine Keyes</td>
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<td>The developmental origins hypothesis viewed from the lens of precision medicine</td>
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<td>Stephen Gilman</td>
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<td>Longitudinal outcomes of subsyndromal stress disorders in the population of Denmark</td>
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<td>Jaimie Gradus</td>
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<td>Population Neuroscience: Leveraging Epidemiological Methods to Improve our understanding of Brain Development</td>
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<td>Katie McLaughlin</td>
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<td>The association between telomere length and psychiatric disorders: a mechanism for adversity to influence disorder risk, or a product of measurement error?</td>
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<td>Katherine Keyes</td>
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<td>Sandro Galea</td>
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</table>
10:00am - 11:30am  Methodological Challenges of Studying Perinatal Outcomes following Vaccination in Pregnancy: A Case Study on Influenza Vaccine

Session Chair(s): Deshayne Fell and Jennifer Hutcheon

Current controversies in maternal influenza immunization research and their implications for global health policy-making

Justin Ortiz

Controlling for confounding: Lessons learned from influenza vaccine studies in elderly

Michael Jackson

Accounting for the temporal nature of influenza, influenza illness, and pregnancy outcomes

David Savitz

Assessing the epidemiological plausibility of observed effect sizes

Jennifer Hutcheon

Linking epidemiological findings with mechanistic/biological pathways

Brad Gessner

Lessons learned: Summary & implications for studying other vaccines in pregnancy

Deshayne Fell

10:00am - 11:30am  Putting the "Implementation” back into Implementation Science: Moving beyond the “Implications” of Epidemiologic Research

Session Chair(s): Lydia Feinstein and Jessie Edwards

From uncertainty to certainty: The banning of Antibacterial Soaps

Allison Aiello

From Data to Delivery and Back Again: Implementation Science Lessons from Malawi and Zambia

Michael Herce

Implementation science: Overlap with existing epidemiological concepts

Catherine Lesko

Asbestos standards for the 21st century: the impact of currently uncounted asbestos fibers on lung cancer risk

Alexander Keil

Discussant

Kathleen Wirth

10:00am - 11:30am  Social Policy as Health Policy: Evaluating Policies that Affect Population Health and Equity

Session Chair(s): Maria Glymour

Examining heterogenous impacts of the Earned Income Tax Credit on health

David Rehkopf

Historical investments in quantity and quality of schooling and contemporary population health

Maria Glymour

Housing policy as a lever for improving population health and reducing disparities

Theresa Osypuk

The poison in the gift: Can social policies affect mental health?

Mauricio Avendano

10:00am - 11:30am  Norman Breslow: In Memoriam

Session Chair(s): Robert Platt and Noel Weiss

Regression analysis of disease rates with cohort study data, and Norm Breslow's related contributions

Ross Prentice

Norman Breslow’s broad influence on the fields of epidemiology and biostatistics

Robert Platt

The design and analysis of case-control and two-phase case-control studies: Professor Norman Breslow's contributions and new developments

Jinbo Chen

11:30am - 1:30pm  Lunch (on your own)
12:00pm - 1:00pm  Lunchtime Session (lunch not included)
Who Wants to be an Epidemiologist?
Host: Ian Shrier
Judges: Jay Kaufman, Katherine Keyes and Daniel Westreich

1:30pm - 3:00pm  CONCURRENT CONTRIBUTED SESSION 1
Time, Place, & Health: Social Epidemiological Approaches to Contemporary Issues
Session Chair(s): Sandro Galea

0330 S/P  Intergenerational educational attainment and obesity in Latino adults living in Sacramento, California
Lindsay Fernández-Rhodes

0331 S/P  At the Intersection of Place, Race, and Health in Brazil: The Association Between Residential Segregation and Cardio-metabolic Risk Factors in the Brazilian Longitudinal Study of Adult Health
Sharrelle Barber

0332  Prescription drug monitoring programs and prescription opioid overdose: exploring socioeconomic sources of heterogeneity
Alvaro Castillo-Carniglia

0333  Estimating the Effects of Individual- and County-level Socioeconomic Factors on Individual Tobacco and Alcohol Use
Rita Hamad

0334 S/P  Neighborhood Social and Economic Change and Diabetes Incidence over 6 years using Whole-Population Electronic Health Records in Madrid, Spain
Usama Bilal

1:30pm - 3:00pm  A Fertile Field: Environmental Exposures and Fertility
Session Chair(s): Allen Wilcox

0340  A prospective cohort study on peripubertal serum concentrations of organochlorine pesticides and semen quality: the Russian Children’s Study
Lidia Minguez Alarcon

0341  Perfluoroalkyl and polyfluoroalkyl substances and female fecundability in two preconception cohort studies
Lauren Wise

0342  Preconception plasma fatty acids and fecundability
Sunni Mumford

0343  Urinary concentrations of phthalates and fecundability in two preconception cohort studies
Elizabeth Hatch

0345 S/P  Urinary concentrations of phenols & fecundability in 2 preconception cohort studies
Amelia Wesselink

1:30pm - 3:00pm  A History of Epidemiology
Session Chair(s): Alfredo Morabia
Intro & Epidemiology before the 17th Century
Alfredo Morabia
Foundation and Emergence, 17th and 18th Century
Kristin Heitman
Installation and Academia, 19th and pre 1945 20th Century
Anne Hardy
Recognition, 1945-1973
Henry Blackburn
Integration, 1974 - Today
Alfredo Morabia
1:30pm - 3:00pm  The Fragility of Childhood through the Lens of Epidemiology  Grand Crescent
Session Chair(s): Stephanie Engel
0350 Changing patterns of child maltreatment
Amanda Barczyk
0351 Cumulative effects of early adolescent depression on marijuana and alcohol use disorder in late adolescence in a community-based cohort
Isaac Rhew
0352 Adverse childhood experiences and early initiation of sexual intercourse in a representative sample of high school students
Kristen Clements-Nolle
0353 S/P The Influence of Neighborhood Disadvantage on Metabolic Syndrome from Adolescence through Adulthood
Chantel Martin
0354 Determinants of positive socio-emotional development among school aged children in rural Pakistan
Joanna Maselko

1:30pm - 3:00pm  Chronic Comorbidities among HIV+Adults  Vashon
Session Chair(s): Farzana Kapadia
0360 S/P Cancer Risk in Older HIV-Infected Individuals in the United States
Parag Mahale
0361 S/P The comparative safety of antiretroviral therapy regimens on AIDS-defining neurological conditions: a prospective study of HIV-positive individuals in high-income countries
Ellen Caniglia
0362 S/P Trajectories of depressive symptoms among men and women in a large cohort of HIV-infected adults in the United States (US)
Angela Bengston
0363 HIV infection and incidence of cardiovascular diseases: an analysis of a large healthcare database
Alvaro Alonso
0364 Assessing Individual and Disseminated Package Effects in Network-Randomized Studies of HIV Prevention
Ashley Buchanan

1:30pm - 3:00pm  Food Environment, Diet Quality and Health  Elliott Bay
Session Chair(s): Shirley Beresford
0370 Neighborhood Food Environment Greenness and Socioeconomic Environment in Relation to Term Low Birth Weight in Los Angeles County
Eric Coker
0371 Substitution effects of grocery restaurant and other household food expenditures on diet quality and body mass index an isomonetary analysis
Cindy Leung
0372 The Price of Healthy Food Relative to Unhealthy Food and its Association with Diet Quality: The Multi-Ethnic Study of Atherosclerosis
David Kern
0373 Diet quality in relation to coronary heart disease among US men with hypertension
Sara Raposo
0374 Changes in overall diet quality and survival in postmenopausal women with breast cancer: results from the Women's Health Initiative
Yangbo Sun

1:30pm - 3:00pm  Innovative Methods in Injury Epidemiology  St. Helens
Session Chair(s): Guohua Li
0380 Injury, Intense Dust Exposure, and Chronic Disease among Survivors of the World Trade Center Terrorist Attacks of September 11, 2001
Howard Alper
0381 Public health application of predictive modeling analysis: Forecasting the risk of farm crash injuries
Shabbar Ranapurwala
0382  Multiple Imputation Using Bayesian Multilevel Regression: An Application to Missing Marijuana Data in the Fatality Analysis Reporting System
Qixuan Chen

0383 S/P  Estimating induction periods in case-crossover studies: an application to urban daily activities and gunshot assault
Darcy Ellis

0384  Do ‘Complete Streets’ policies decrease cyclist fatality risk? An application of the parametric g-formula
Stephen Mooney

3:00pm - 3:30pm
Break and Poster Viewing

3:30pm - 5:00pm
CONCURRENT CONTRIBUTED SESSION 2
A Causal Inference Smorgasbord
Session Chair(s): Jay Kaufman

0390 S/P  Flexible marginal structural models to account for non-linear relationships between exposure and time-varying covariates
Ryan Patrick Kyle

0391  Bayesian bias analysis for unobserved confounding: an application to the obesity paradox
Patrick Bradshaw

0392  Estimation of Cause-Specific Mortality Using Fractional Weights for Multiple Contributing Causes of Death
Tiffany Breger

0393  Comparing Agent-Based Modeling and the Parametric G-formula
Aaron Shev

0395  Estimating Per-Protocol Survival Curves in a Trial of Colorectal Cancer Screening
Sonja Swanson

0395  Targeted maximum likelihood with super learning to evaluate progress towards HIV care cascade goals: An example from the SEARCH "test and treat" study
Laura Balzer

3:30pm - 5:00pm
Mental Health-Related Exposures and Outcomes in the Settings of Pregnancy and Childhood
Session Chair(s): Martha Werler

0400  Does Maternal Glucose Dysregulation Interact with Child Genetics to Influence Risk for Autism Spectrum Disorder?
Irva Hertz-Picciotto

0401 S/P  Identifying points of origin of race-related difference in preeclampsia risk
Jennifer Adibi

0402  Positive association between maternal distress in pregnancy and infant neurobehavior
Katherine Bowers

0403  Sex differences in the associations between maternal lifetime exposure to violence and neonatal outcomes
Hagit Hochner

0404  Timing of Maternal Depression and Sex-specific Child Growth the Upstate KIDS Study
Hyojun Park

0405  Attention-deficit hyperactivity disorder medication use during pregnancy and risk for birth defects - United States, 1997-2011
Kayla Anderson

3:30pm - 5:00pm
Injury and Violence Prevention
Session Chair(s): Matthew Miller

0410 S/P  Effect of California's comprehensive background check and misdemeanor violence prohibition policies on firearm mortality
Magdalena Cerda

0411 S/P  Repeal of comprehensive background check policies and firearm homicide
Rose Kagawa
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Chair(s)</th>
<th>Location</th>
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<tr>
<td>3:30pm - 5:00pm</td>
<td><strong>Common Medications and Cancer Incidence and Survival</strong></td>
<td><strong>Heather Eliassen</strong></td>
<td>Grand Crescent</td>
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<td>0420</td>
<td>Oral contraceptive use duration and risks of cancer</td>
<td><strong>Kara Michels</strong></td>
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<td>0421</td>
<td>Analgesic use and risk of ovarian cancer in the Nurses Health Studies</td>
<td><strong>Mollie Barnard</strong></td>
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<td>0422</td>
<td>Regular aspirin and non-aspirin NSAID use and prostate cancer recurrence after radical prostatectomy</td>
<td><strong>Lauren Hurwitz</strong></td>
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<td>0423</td>
<td>Regular aspirin use and the risk of lethal prostate cancer in the Physicians' Health Study</td>
<td><strong>Mary Kathryn Downer</strong></td>
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<td>0424</td>
<td>Diabetes treatments and risks of adverse breast cancer outcomes among early stage breast cancer patients: A SEER-Medicare analysis</td>
<td><strong>Lu Chen</strong></td>
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<td>0425</td>
<td>Drug interactions with tamoxifen in a Danish premenopausal breast cancer cohort</td>
<td><strong>Thomas Ahern</strong></td>
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<td>3:30pm - 5:00pm</td>
<td><strong>The Social Contexts of Health-Related Behavior</strong></td>
<td><strong>Susan Mason</strong></td>
<td>Vashon</td>
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<td>0430</td>
<td>Impact of a New York City supportive housing program on housing stability and preventable health care among homeless families</td>
<td><strong>Sungwoo Lim</strong></td>
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<td>0431</td>
<td>Reproductive decision-making under uncertainty: how economic preferences shape reproductive behavior</td>
<td><strong>Deborah Karasek</strong></td>
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<td>0432</td>
<td>Pregnancy prevention on the fly: Risk of contraceptive lapse among young women during international travel</td>
<td><strong>Summer Martins</strong></td>
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<td>0433</td>
<td>Association between food insecurity and medication adherence among diverse low-income patients with chronic disease at a community health center</td>
<td><strong>Cristina Huebner Torres</strong></td>
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<td>0434</td>
<td>Social isolation  loneliness and health behaviors at older ages: Evidence from the English Longitudinal Study of Ageing</td>
<td><strong>Lindsay Kobayashi</strong></td>
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<td>3:30pm - 5:00pm</td>
<td><strong>Integrating Measurement and Causal Inference Methods in Aging Research</strong></td>
<td><strong>Priya Palta</strong></td>
<td>Elliott Bay</td>
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<td>0440</td>
<td>Evaluating group-based trajectories of episodic memory in normal cognition and mild cognitive impairment: results from ADNI</td>
<td><strong>Xiuhua Ding</strong></td>
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<td>0441</td>
<td>Contribution of lifecourse socioeconomic status and adult cardiovascular disease on memory decline among diverse older adults</td>
<td><strong>Jessica Marden</strong></td>
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<td>0442</td>
<td>Cognitive aging in black and white Americans: Cognition cognitive decline and Alzheimer dementia incidence in a population-based study</td>
<td><strong>Jennifer Weuve</strong></td>
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<td>0443</td>
<td>Does selective survival prior to study enrollment attenuate estimated effects of education on rate of cognitive decline in older adults? A simulation approach for quantifying survival bias in lifecourse epidemiology</td>
<td><strong>Elizabeth Rose Mayeda</strong></td>
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<td>0444</td>
<td>Ghost-time bias from imperfect mortality ascertainment in aging cohorts</td>
<td><strong>Eric Jacobs</strong></td>
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<td>0445</td>
<td>BMI isn't perfect but how bad (or good) is it as a measure of obesity in post-menopausal women?</td>
<td><strong>Hailey Banack</strong></td>
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3:30pm - 5:00pm
Latebreaker 1
Session Chair(s): Matthew Fox
LB Pesticide use and hypothyroidism risk in male pesticide applicators in the Agricultural Health Study
Srishti Shrestha
001 S/P

LB Pharmacy and retail store influenza vaccinations are associated with greater likelihood of receiving an additional vaccination Detroit, Michigan, 2009-2010
Evette Cordoba
002 S/P

LB Examining the Independent Effects of Racial Discrimination and General Stress on Systolic Blood Pressure: Data from the African American (AA) Women's Heart & Health Study
Alexis Reeves
003 S/P

LB Prenatal exposure to acetaminophen and childhood asthmatic symptoms in LA birth cohort
Yuying Yuan
004 S/P

LB Associations between acculturation and mild cognitive impairment among older Mexican-origin adults in the United States
Erline Miller
006 S/P

LB Longitudinal Pulmonary Function in Non-World Trade Center Exposed New York City Firefighters and Emergency Medical Service (EMS) Workers
David Goldfarb
007

5:30pm - 6:30pm
Poster Session 2 & Reception (cash bar)
5:30pm - 6:30pm
Poster Chats (SPC) SPC Table
03:00 - 07:00 pm
SPC Business Meeting - all SPC members welcome Grand Crescent
5:30pm - 6:30pm
7:30pm - 10:30pm
50th Anniversary Social at the Seattle Aquarium (ticket required)

Thursday, June 22, 2017

7:00am - 7:50am
Speed Networking (SPC) (Pre-registration required)
Host: Jaimie Gradus
Elliott Bay Anteroom
Mentors:
Matthew Fox, Magdalena Cerda, Jaimie Gradus, Michael Oakes,
Maria Glymour, Cuilin Zhang, Lauren Wise, Nigel Paneth,
Lauren McCullough, Richard Maclehose

7:00 am- 8:00am
Continental Breakfast
Ballroom 3
7:30am - 6:00pm
Registration

8:00am - 9:30am
PLENARY SESSION 2
Cassel Lecture: Noel Weiss
Tyroler Student Prize Paper: Ellicott Matthay
Lilienfeld Postdoctoral Prize Paper: Neal Goldstein
Ballroom 1-2 Recording

9:30am - 10:00am
Break and Poster Viewing
Ballroom 3

10:00am - 11:30am
CONCURRENT CONTRIBUTED SESSION 3
Communities, SES, and Health
Session Chair(s): Michael Oakes
Ballroom 1 Recording
0790 Health effects of community violence beyond injuries and deaths
Jennifer Ahern

0791 S/P Validation of a theoretically motivated approach to measuring childhood socioeconomic circumstances in the Health and Retirement Study
Anusha Vable

0792 Does the temporal pattern of moving to a higher opportunity neighborhood across a 5-year period improve psychological distress among adolescent girls? Results from a federal housing experiment
Theresa Osypuk
0793 Geographic variation in the social determinants of prescription opioid poisoning
   Veronica Pear

0794 S/P Lifecourse socio-economic mobility and markers of healthy aging in a nationally representative sample of older adults
   Paola Gilsanz

10:00am - 11:30am Brain = Environment + Development + Environment*Development
   Ballroom 2
   Session Chair(s): Stephen Gilman

0795 Early Life Environmental Polybrominated Diphenyl Ether Exposures and Longitudinal Patterns of Child Neurodevelopment
   Joseph Braun

0796 S/P Targeted effects of childhood adversity on fluid intelligence in a national sample of adolescents
   Jonathan Platt

0797 S/P Early child cognition and behavior and adult depression: results from a longitudinal birth cohort
   John Pamplin

0798 S/P Cumulative and differential effects of life course exposures on cognitive function and decline
   Jordan Weiss

0799 Genetic Burden Scores and Early Life Socioeconomic Status Jointly Influence Memory Performance and Decline in Older Americans
   Jennifer Smith

10:00am - 11:30am History Session - Reminiscences of Former SER Presidents - and a Couple of Other Old-Timers
   Fifth Avenue
   Session Chair(s): Noel Weiss and Joseph Lyon

10:00am - 11:30am Cancer Epidemiology: An Array of Current Topics
   Grand Crescent
   Session Chair(s): Lisa Signorello

0800 S/P When is enough enough? Adapting the fail-safe number and conditional power for deciding whether more research is needed on biomarker-cancer associations
   Michael Marrone

0801 S/P The impact of mental health illnesses on timeliness of care in veterans with lung cancer
   Joshua Demb

0802 Longer sleep duration is associated with longer telomeres: results from the Women’s Health Initiative
   Laurie Grieshober

0803 Sleep apnea and subsequent risk for cancer incidence and mortality
   Arthur Sillah

0804 The Joint Effects of Vitamin D Genetics and Epigenetics in the Prevention of Breast Cancer
   Katie O’Brien

10:00am - 11:30am Menstrual and Reproductive Characteristics in Relation to Women’s Health
   Vashon
   Session Chair(s): Victoria Holt

0805 Folate related birth defects and future maternal cardiovascular mortality
   Kari Lungsoyr

0806 S/P Hypertensive Disorders in First Pregnancy and Maternal Cardiovascular Disease: Mediation by Postpartum Cardiovascular Risk Factors
   Jennifer Stuart

0807 Hysterectomy with and without oophorectomy and cardiovascular disease risk
   Leslie Farland

0808 Anti-Müllerian hormone levels and risk of early natural menopause
   Brian Whitcomb

0809 S/P Lifetime estrogen exposure and progressive supranuclear palsy
   Sindana Ilango
10:00am - 11:30am
Infectious Disease

Session Chair(s): Stephen Morse

0810 Quantifying the impact of natural immunity on rotavirus vaccine efficacy estimates: a re-analysis of a clinical trial of monovalent rotavirus vaccine in Dhaka Bangladesh (PROVIDE)
Elizabeth Rogawski

0811 Comparing Exponential Power-Law and Lognormal Distributions for Predicting Vaccine-Preventable Disease Incidence Pre- and Post-Control
Sarah Ackley

0812 A network model of hand hygiene: How good is good enough to stop the spread of MRSA?
Neal Goldstein

0813 S/P Smartphones as a Tool for Deep Epidemiologic Data on Social Networks
Paul Zivich

0814 S/P Influenza dynamics in Chile 2008-2015
Christian Garcia-Calavaro

0815 Results of the 2015-2016 CDC Influenza Forecasting Challenge
Craig McGowan

10:00am - 11:30am
Novel Methods and Measures in Environmental Epidemiology

Session Chair(s): Traci Bethea and Jaime Hart

0816 Statistical methods for assessing chemical mixtures in environmental studies applied to prenatal phthalate mixtures and birth weight among pregnant women from a fertility clinic
Yu-Han Chiu

0817 Concentrations of Endocrine Disrupting Chemicals in Newborn Blood Spots and Infant Outcomes: Implications for Population Health Research Upstate KIDS Study
Germaine Buck-Louis

0818 S/P A data-driven approach to identify early-life air pollutant exposure profiles associated with school readiness among U.S. Children
Jeanette Stingone

0819 S/P Association of Long-term PM2.5 Exposure with Novel Lipid Biomarkers Related to Cardiovascular Disease Risk
Laura McGuinn

0820 Vegetated land cover near residence is associated with reduced allostatic load and improved biomarkers of neuroendocrine metabolic and immune functions
Andrey Egorov

0821 A Systematic Assessment of Carcinogenicity of Chemicals in Hydraulic-Fracturing Fluids and Flowback
Xiaohui Xu

11:30am - 2:00pm
Lunch (on your own)

12:00pm - 1:00pm
Lunchtime Sessions (lunch not included)

EARLY STAGE INVESTIGATOR (ESI) SESSION

Should I Apply for a K Award or R Award as an Early Stage Investigator?
Short presentations will be followed by questions from the audience.
Session Chair(s): Lisa Bodnar

Background on the success rates of K vs. R at NIH
Gwen Collman

Pros and cons of K vs. R from an academic chair’s position
Victoria Holt

Perspective as a previous early stage investigator who received a K award
Katherine Keyes

Perspective as a previous early stage investigator who received a K99/R00 award
Daniel Westreich

12:00pm - 1:00pm
Career Panel (SPC)

Session Chair(s): David Fink

Panelists:
Nicolle Gatto, Brandon Marshall, Sunni Mumford and Andreas Stang
1:00pm - 2:00pm  
SER Business Meeting - all members welcome  
Fifth Avenue

2:15pm - 3:45pm  
SYMPOSIA 2  
Fifth Avenue

Consequential Epidemiology of Gun Violence: Cutting-Edge Methods and Future Directions  
Session Chair(s): Ali Rowhani-Rahbar and Frederick Rivara  
Gun Violence Epidemiology in Historical Context  
Ali Rowhani-Rahbar  
Mapping Activity Patterns to Identify Triggers of Firearm Violence  
Douglas Wiebe  
Spatial Epidemiology of Gun Violence  
Bindu Kalesan  
Simulating the Impact of Firearm Disqualification Criteria on Firearm-Related Violence  
Magdalena Cerda  
Discussants:  
Charles Branas, Sandro Galea and Frederick Rivara

Ballroom 1  
Recording

2:15pm - 3:45pm  
All Models are Wrong  
Ballroom 2

Session Chair(s): Stephen Cole  
Guaranteed asymptotically optimal inference with the Highly-Adaptive-Lasso (HAL)-TMLE  
Mark van der Laan  
A randomized trial of data-adaptive, doubly-robust estimators versus standard practice  
Jessie Edwards  
Data Adaptive Model Selection: Art or Science or Artificial Intelligence  
James Robins

2:15pm - 3:45pm  
Whatever Happened with ...? Reflections on Hot Topics Gone Cold from Epidemiology’s Past  
Fifth Avenue

Session Chair(s): David Savitz  
Adverse Repercussions of Silicone Breast Implants  
Louise Brinton  
Use of Unopposed Estrogens and the Incidence of Endometrial Cancer  
Noel Weiss  
Power Lines and Childhood Cancer  
David Savitz  
Vaccines and Autism: How Will It Be Viewed in Hindsight?  
Lisa Croen

2:15pm - 3:45pm  
Twenty Years of Social Capital and Health Research: What Have We Learned and What Is There Still to Learn?  
Grand Crescent

Session Chair(s): Spencer Moore  
Twenty years of social capital and health research  
Spencer Moore  
Social capital at the environment-health nexus: Can the concept help us address fundamental development and health challenges?  
Susan Elliot  
Does your body know who you are in the positional hierarchy? Reflections on the pathways linking social capital and health  
Lijun Song  
Social capital and health in welfare states: How can social policy contribute to our understanding of promoting social capital and health?  
Mikael Rostila  
Social capital and health inequities  
Spencer Moore
2:15pm - 3:45pm
Gender Disparities in Citations in Epidemiology: Data, Reflections, and Looking to the Future
Session Chair(s): Enrique Schisterman and Sunni Mumford
What do the data show
Enrique Schisterman
Bibliometrics: Measures and limitations
Ya-Ling Lu
Reflections from a Dean
Michelle Williams
Reflections from a Dean
Germaine Buck Louis
Reflections from a Department Chair
Andrew Olshan
Reflections from a Department Chair
Diane Lauderdale
Reflections from an Editor in Chief
Timothy Lash

2:15pm - 3:45pm
Epidemiology and the Microbiome: Unique Challenges for Measurement, Analysis and Interpretation of Data from Human Microbiome Studies
Session Chair(s): Lisa Manhart and Jennifer Balkus
Introduction to challenges associated with data from microbiome studies
Lisa Manhart
Overview of microbiome data
Sujatha Srinivasan
Analytic issues associated with microbiome data
James Hughes
Practical Applications: Studies of the genital tract microbiome
Jennifer Balkus
Practical Applications: Studies of the gut microbiome and colon cancer
Johanna Lampe

2:15pm - 3:45pm
Critical Issues in Veteran Public Health
Session Chair(s): Jaimie Gradus
Gender Differences in Machine Learning Models of Trauma and Suicidal Ideation in Iraq and Afghanistan Veterans
Jaimie Gradus
Traumatic Brain Injury and Opioid Overdose Among Veterans of the Wars in Iraq and Afghanistan
Jennifer Fonda
Improving the delivery of veteran healthcare with an integrated learning system
Ryan Ferguson
A Co-twin Control Study of Suicide in the Vietnam Era Twin Registry
Jack Goldberg

3:45pm - 4:15pm
Break and Poster Viewing

4:15pm - 5:45pm
CONCURRENT CONTRIBUTED SESSION 4
Asking Better Questions, Getting Better Answers
Session Chair(s): Maya Peterson
0828 S/P Characterizing the effects of interest in pragmatic trials: a systematic literature review
Eleanor Murray
0829 The harm done to reproducibility by the culture of null hypothesis significance testing
Timothy Lash
0830 S/P Simulating the potential benefits of interventions against malaria infection at delivery and maternal malnutrition in early pregnancy on pregnancy outcomes
Jordan Cates
0831  Estimating the stochastic direct effect under weaker assumptions: a proposed method and example in a randomized trial setting  
Kara Rudolph

0832 S/P  Examining potential mediators of the effect of a conditional cash transfer program on child height and weight at 24 months  
Jeremy Labrecque

0833  Adjusting for misclassification in cohort studies with competing events  
Giorgos Bakoyannis

4:15pm - 5:45pm  
Reproductive and Perinatal Pharmacoepidemiology  
Session Chair(s): Kenneth Rothman and Jennifer Lund

0822 S/P  Maternal Influenza Vaccination during Pregnancy and Birth Outcomes  
Ousseny Zerbo

0823 S/P  Maternal use of acetaminophen and attention-deficit/hyperactivity disorder in offspring: A negative exposure control analysis  
Zeyan Liew

0824  Methadone versus buprenorphine for opioid use dependence and risk of neonatal abstinence syndrome  
Lara Siminerio Lemon

0825  Using web-based questionnaires to assess medication use during pregnancy: a validation study in two prospective cohorts  
Nel Roeleveld

0826 S/P  The impact of differential exposure misclassification on performance of propensity score methods for binary outcome models: a simulation study  
Mollie Wood

0827 S/P  A comparison of three bias correction methods using outcome predictive values in electronic health record-based immunization schedule safety research  
Sophia Newcomer

4:15pm - 5:45pm  
Neuropsychiatry and Behavioral Epidemiology: Fifty Years of High Impact Research  
Session Chair(s): James Anthony

0835  Fifty years of high impact epidemiological research on HIV/AIDS, injecting drug use, and related conditions: Looking back and ahead  
David Vlahov

0836  Fifty years of high impact epidemiological research on drug use disorders and related conditions: Looking back and ahead  
Katherine Keyes

0837 S/P  Fifty years of high impact research in the area of alcohol epidemiology: Looking back and ahead  
Hui Cheng

0838  Fifty years of high impact epidemiological research on the dementia syndromes: Looking back and ahead  
James Anthony

0839  Fifty years of high impact epidemiological research on psychoses, mood, and anxiety disorders: Looking back and ahead  
William Eaton

4:15pm - 5:45pm  
The Socio-Political Construction of Health Disparities  
Session Chair(s): Lynne Messer

0840  Gentrification and Displacement in the Bay Area: Measurement of Demographic Shifts  
Mahasin Mujahid

0841 S/P  The legacy of housing discrimination in Detroit through redlining and its influence on current neighborhood environment and self-rated health trajectories  
Elizabeth McClure

0842  The Lifetime Prevalence of Incarceration among Men in the United States by Race and Educational Level: Implications for Health?  
Marvin So
Price discounting disproportionately increases soda purchasing in neighborhoods with lower socio-economic status

Hiroshi Mamiya

The association between environmental quality and uncontrolled diabetes among older adults in the U.S.

Chrisine Gray

Preconception cardiovascular risk factors and racial disparities in birth outcomes: the Bogalusa Heart Study

Emily Harville

CVD: Congenital Heart Disease, Environmental Risk Factors
Session Chair(s): Stephen Fortmann and Aghishek Vishnu

Long-term outcomes in adolescents and adults with congenital heart disease: population-based surveillance

Lindsey Duca

Cancer incidence among children and young adults who have undergone x-ray guided cardiac catheterization procedures

Mark Pearce

Risk of Dementia in Adults with Congenital Heart Disease: A Population-Based Cohort Study

Carina Bagge

Bisphenol A (BPA) BPA Substitutes and Cardiovascular Disease in U.S. Adults

Buyun Liu

Applying Nonparametric Methods to Analyses of Short-term Fine Particulate Matter Exposure and Hospital Admissions for Cardiovascular Diseases among Older Adults

Xiaobin Liu

Association between Traffic-related Pollution and Hypertension: A Retrospective Cohort Study in Taiwan

Sheng-Wei Chiu

Thinking Structurally, Acting Globally: Advancing Social and Environmental Determinants in Global Health
Session Chair(s): Brandon Marshall

Longitudinal association between psychiatric comorbidities and PTSD among a cohort of Chilean disaster survivors

Cristina Fernandez

Precipitation and diarrheal disease in Mozambique: is climate change a factor?

Lindsay Horn

Dengue Transmission Dynamics: Epidemiological and Geographic Identification of High Risk Settings in Medellin, Colombia

Mabel Carabali

Comparison of two control groups for estimation of oral cholera vaccine effectiveness from a case-control study

Molly Franke

Evaluating the validity of caregiver-reported diarrhea: A large, population-based study in the Amhara region of Ethiopia

Kristen Aiemjoy

Exposure to maternal depression during pregnancy and DNA methylation changes in cord blood: A cohort study in the Avon Longitudinal Study of Parents and Children

Anne-Cathrine Viuff

Post-diagnosis use of statins and risk of melanoma recurrence

Anne Fia Grann

A methodological approach for performing causal mediation analyses based on case-cohort data

Chanelle Howe

Performance of machine-learning methods using electronic medical records to detect and predict a clinical infection

Milena Giafrancesco
Associations between birth weight and diabetes: U, J, or reverse? Differences across race/ethnicity
Elizabeth Hooker

Predicting the number of birth defects potentially associated with congenital Zika virus infection during the 2016-2017 Puerto Rico Zika virus outbreak
Alys Adamski

Effect modifiers of the association between prenatal exposure to ambient air pollution and childhood asthma incidence
Eric Lavigne

Poster Session 3 & Reception (cash bar)
6:00pm - 7:00pm
Ballroom 3

Poster Chats (SPC)
6:00pm - 7:00pm
SPC Table

Alumni Reunions
7:00 pm onward

Friday, June 23, 2017

7:00am - 8:00am
Continental Breakfast
Ballroom 3

7:30am - 1:15pm
Registration

8:00am - 9:30am
PLENARY SESSION 3
Ballroom 1-2
Distinguished Service to SER Award Winner: Polly Marchbanks
Career Accomplishment Winner: Kenneth Rothman
Brian MacMahon Early Career Award Winner: Laura Rosella

Break and Poster Viewing
9:30am - 10:00am
Ballroom 3

SYMPOSIA 3
10:00am - 11:30am
Ballroom 1
Epidemiology's Next 50 Years through the Lens of the Last 50
Session Chair(s): Jessica Chubak and Stephen Mooney
Focusing the microscope: how advances in our understanding of tumor biology have shaped cancer epidemiology and clinical practice
Amanda Phipps
Public works: HIV epidemiology from patients to population health
Daniel Westreich
No causation without manipulation? Moving beyond description in health disparities research
Whitney Robinson
Joining the macro and micro: new strategies to identify effective violence prevention targets
Magdalena Cerda
The Angel is in the Details: Molecular Epidemiology for Infectious Disease Control
Michael Jackson

Sleepless in Seattle: Is Dependent Error Keeping You up at Night? Maybe It Should!
10:00am - 11:30am
Ballroom 2
Session Chair(s): Matthew Fox and Daniel Brooks
Introduction to dependent error – What’s the big deal?
Matthew Fox
Consequences and mechanisms of exposure outcome dependent error
Dan Brooks
Implications of dependent exposure-confounder misclassification:
A simulation study
Kelly Getz
Correlated biomarker measurement error
Anna Pollack
Dependent error is a big deal – time to start taking things more seriously
Matthew Fox
10:00am - 11:30am  
**SER/aje 50th Anniversary Special Issue - Reflections from Commentary Writers**  
**Session Chair(s):** Bernard Harlow and Moyses Szklo  
**Panelists:** Allison Aiello, Clarice Weinberg, Kenneth Rothman, Sherman James and Yvette Cozier

10:00am - 11:30am  
**The Central Role of Epidemiology in Transdisciplinary and Translational Team Science**  
**Session Chair(s):** Qing Li, Muin Khoury and Robert Hiatt  
**Opening Comments:** Motivation from perinatal epidemiology  
**Qing Li**  
Team, transdisciplinary and translational science: the role of the epidemiologist  
**Robert Hiatt**  
Generalizability of the results of randomized trials  
**Noel Weiss**  
Precision medicine and genomics: Lessons in translational epidemiology from bench to populations  
**Muin Khoury**  
Approaches to integrating innovation into translation  
**Roberta Ness**

10:00am - 11:30am  
**Women’s Health is Public Health: Is the 21st Century a Level Playing Field for Women’s Health Research?**  
**Session Chair(s):** Ellen Caniglia and Eleanor Murray  
**Under-representation of Women in Health Research: Progress and Challenges**  
**Julie Palmer**  
Methodological Issues in Clinical Trials of Women of Reproductive Age  
**Enrique Schisterman**  
Women’s Health Research: Legitimacy and Funding  
**Stacey Misser**  
Discussants: Leslie Farland and Martha Werler

11:30am - 12:00pm  
**Break**

12:00pm - 1:00pm  
**PROFESSIONAL DEVELOPMENT SESSIONS**  
**Ask Anything**  
**Session Chair(s):** Diane Lauderdale  
**Panelists:** Polly Marchbanks, Pam Factor-Litvak and Victoria Holt  
**The Costs of Scientific Publishing**  
**Session Chair(s):** Anne Marie Jukic  
**Panelists:** Frances Chu, Anna Hernandez-French, Diana Marshall and Moyses Szklo  
**Statistics, Adjusted Statistics and Maladjusted Statistics**  
**Session Chair(s):** Jay Kaufman, Excellence in Education Award Winner

1:00pm  
**Meeting Adjourns**  
See you in Baltimore, MD, June 19-22, 2018
BECOME A LEADER in population health sciences

- MSc & PhD in Epidemiology
- MSc & PhD in Biostatistics
- Masters of Science in Public Health (MScPH)
- MSc(A) in Occupational Health
- Summer Institute in Infectious Diseases & Global Health

STUDY IN MONTREAL, CANADA

UNSURPASSED TRAINING

STIMULATING ENVIRONMENT

HAPPY 50th Anniversary SER!