



**48<sup>th</sup> Annual Meeting — Final Program  
June 16-19, 2015**

**TUESDAY, JUNE 16, 2015**

|                |                                     |                      |
|----------------|-------------------------------------|----------------------|
| 7:00 – 8:30 pm | <b>Poster Session 1</b>             | Grand Ballroom       |
| 7:00 – 8:00 pm | <b>Mentored Poster Chats</b>        | Grand Ballroom Foyer |
| 7:00 – 9:00 pm | <b>Welcome Reception (cash bar)</b> | Grand Ballroom       |

**WEDNESDAY, JUNE 17, 2015**

|                  |   |                    |
|------------------|---|--------------------|
| 7:00 – 7:50 am   | <b>Breakfast with the Experts</b>   | Location on Ticket |
| 8:00 – 9:30 am   | <b>Plenary Session 1</b><br>SESSION CHAIR: Germaine Louis<br><b>SER Presidential Address, Timothy Lash</b><br>Lilienfeld PostDoctoral Prize Paper Winner, <b>Ashley Naimi</b><br>Tyroler Student Prize Paper Winner, <b>Hailey Banack</b>   | Imperial Ballroom  |
| 9:30 – 10:00 am  | Break   |                    |
| 10:00 – 11:30 am | <b>Symposia (S) &amp; Concurrent Contributed Session (CCS) – 1</b><br><br><b>EFFICIENT SAMPLING TO ENHANCE STUDIES WITH LONGITUDINAL AND CLUSTERED DATA (S) – 1A</b><br><i>(Sponsored by EPIDEMIOLOGY)</i><br>SESSION CHAIR: Timothy Lash<br><br>Perspectives and opportunities for efficient sampling in longitudinal and correlated data settings<br><b>Patrick Heagerty and Enrique Schisterman</b><br>Efficient epidemiological study designs for longitudinal data: Strategies for sub-sampling subjects from cohorts<br><b>Jonathan S. Schildcrout</b><br>Efficient epidemiological study designs for longitudinal data: Strategies for sampling the times at which subjects are observed<br><b>Paul J. Rathouz</b><br>PCluster-stratified case-control designs: Strategies for sampling patients within centers from multicenter studies<br><b>Sebastien Haneuse</b><br><br>Discussant – <b>Norman Breslow</b> | Imperial Ballroom  |
|                  | <b>NOVEL METHODS FOR CAUSAL INFERENCE (CCS) – 1B</b><br>SESSION CHAIR: Richard MacLehose  | Mt. Evans          |
| 281-S/P          | Bounding the Per-Protocol Effect of Colorectal Cancer Screening<br><b>Sonja A. Swanson</b>  |                    |
| 280-S/P          | G-Computation and Inverse Probability of Treatment Weighted Estimation of Average Treatment Effects among the Treated and the Untreated<br><b>Aolin Wang</b>  |                    |
| 282              | Mediation Analysis for Health Disparities Research<br><b>Ashley I. Naimi</b>  |                    |
| 284              | Does maximizing covariate balance achieve the best estimate? Comparative performance of matching methods for estimating treatment effects<br><b>Jennifer Ahern</b>  |                    |
| 283              | Augmenting Causal Diagrams with Effect Modification Interaction and other Parametric Information<br><b>Onyebuchi A. Arah</b>  |                    |

**HIV IN AN ERA OF CHRONIC DISEASE (CCS) – 1C**

SESSION CHAIR: Daniel Westreich

Mt. Elbert A

- 293-S/P The effect of depression on adherence to daily oral HIV pre-exposure prophylaxis in the iPrEx OLE cohort: a marginal structural model  
**Megha Mehrotra**
- 291 Improving depression among HIV-infected adults: are our results generalizable?  
**Angela M. Bengtson**
- 290 Use of abacavir and risk of cardiovascular disease among HIV-infected individuals: a marginal structural model approach  
**Julia L. Marcus**
- 292-S/P The impact of analysis method and model specification for handling missing covariate data in survival analysis: A case study of the effect of hypertension on mortality among HIV-infected persons in Kenya  
**Evon A. Okidi**

**GLOBAL HEALTH RESEARCH: A SPECTRUM OF CHALLENGES (CCS) – 1D**

SESSION CHAIR: Jim Tielsch

Mt. Elbert B

- 300 Prevalence and determinants of high blood pressure among adults in Dar es Salaam Tanzania  
**Rachel Zack**
- 301-S/P Does a South African anti-poverty program influence fertility? Triangulating evidence from non-experimental and quasi-experimental study designs  
**Molly Rosenberg**
- 302 Dipstick Proteinuria Types as Predictors of All and Cardiovascular Disease Mortality in Araihaazar Bangladesh: a Population-Based Longitudinal Study  
**Gene R. Pesola**
- 303-S/P Factors associated with changing cigarette consumption patterns among low-intensity smokers: Results from the ITC Mexico Survey  
**Kamala Swayampakala**

**"WHO" MATTERS IN PERINATAL OUTCOMES (CCS) – 1E**

SESSION CHAIR: Danelle Lobdell

Mt. Sopris

- 314-S/P Ethnicity-specific changes in low birth weight after a major immigration raid  
**Nicole Novak**
- 310-S/P Medical complications of pregnancy in women with intellectual and developmental disabilities  
**Hilary K. Brown**
- 313 Transgenerational body mass index (BMI) as a predictor of birth weight: The Bogalusa Heart Study  
**Emily W. Harville**
- 312-S/P Parental preconception exposure to non-persistent endocrine disrupting chemicals and birth outcomes: the LIFE study  
**Melissa M. Smarr**
- 311 Disparities in infant mortality, stillbirth, and preterm birth among First Nations, Inuit, and Métis populations in Canada  
**Amanda J. Sheppard**

**MENTAL HEALTH AND AGING: CHRONIC DISEASE, COGNITION, AND PATHWAYS CONNECTING MIND AND BODY (CCS) – 1F**

SESSION CHAIR: Katherine Keyes

Grays Peak

- 320 Prior stroke predicts posttraumatic stress disorder (PTSD) in a multi-ethnic cohort of stroke survivors: evidence from the Discharge Educational Strategies for Reduction of Vascular Events (DESERVE) trial  
**Emily Goldmann**
- 321-S/P The nonlinear relation between depressed mood and coronary artery calcification: the Rancho Bernardo Study  
**John Bellettiere**
- 322 Female hormone-related factors and post-menopausal onset depression: results from Health Examinee Study (HEXA) 2004-2012  
**Sun Jae Jung**
- 323-S/P Anxiety symptoms and risk of cognitive decline in older community-dwelling men: results from the Osteoporotic Fractures in Men Study  
**Ahmed M. Kassem**
- 324-S/P Testosterone and cognitive function in men: a separate-sample Mendelian randomization analysis in older Chinese men  
**Jie Zhao**

|                    |  |                    |
|--------------------|--|--------------------|
| 11:30 am – 1:30 pm | Lunch (on your own)  |                    |
| 12:00 – 1:00 pm    | <b>Lunchtime Roundtables</b> (lunch on your own)   | Location on Ticket |
|                    | <b>SPC Junior Career Panel</b>   | Grays Peak         |
|                    | <b>Meet the Editors</b> ( <i>Sponsored by the American Journal of Epidemiology</i> )   | Mt. Elbert B       |
| 1:30 – 3:00 pm     | <b>Symposia (S) &amp; Concurrent Contributed Session (CCS) – 2</b>   |                    |
|                    | <b>EBOLA, MERS AND CHIKUNGUNYA: METHODOLOGICAL ISSUES IN RESPONDING TO EMERGING DISEASE THREATS (S) – 2A</b><br><b>SESSION CHAIR:</b> Justin Lessler   | Imperial Ballroom  |
|                    | Characterizing Ebola transmission, contact tracing and surveillance in West Africa<br><b>Derek Cummings</b><br>Lessons learned from the field: back to basics<br><b>Thais Dos Santos</b><br>How big is the Iceberg? Estimating the number of unseen cases of MERS-CoV<br><b>Justin Lessler</b> |                    |
|                    | Discussant – <b>Morgan Hennessey</b>   |                    |
|                    | <b>METHODOLOGICAL CHALLENGES TO STUDYING PREGNANCY AND EARLY CHILDHOOD OUTCOMES (CCS) – 2B</b><br><b>SESSION CHAIRS:</b> Emily Mitchell and Penelope Howards   | Mt. Evans          |
| 334                | Hierarchical semi-Bayes methods for misclassification of maternal prepregnancy BMI<br><b>Richard F. MacLehose</b>  |                    |
| 333                | Dealing with Bias in Time-To-Event Analyses: An Application to Time to Pregnancy<br><b>Emily Mitchell</b>  |                    |
| 331                | Implications of using a fetuses-at-risk approach when fetuses are not at risk<br><b>Olga Basso</b>   |                    |
| 332                | Does neighborhood racial segregation influence preterm birth across the life course? An application of marginal structural models<br><b>Theresa L. Osypuk</b>  |                    |
| 330-S/P            | Assessing nonignorable loss to follow-up in a longitudinal birth cohort study of body fat in childhood<br><b>Jessie P. Buckley</b>   |                    |
|                    | <b>TAKING IT TO THE NEXT LEVEL: CAN STATE- AND COMMUNITY-LEVEL POLICIES INFLUENCE INJURIES AND VIOLENCE? (CCS) – 2C</b><br><b>SESSION CHAIRS:</b> Carolyn DiGiuseppi and Ashley Brooks-Russell   | Mt. Elbert A       |
| 340-S/P            | Medical marijuana laws state-level marijuana use and traffic fatalities<br><b>Julian Santaella-Tenorio</b>   |                    |
| 341                | Public health and criminal justice approaches to reducing urban violence: a set of simulated experiments<br><b>Magdalena Cerdá</b>   |                    |
| 342-S/P            | An examination of Random Breath Testing and alcohol-related traffic crash rates in Australia: 2000–2012<br><b>Jason Ferris</b>   |                    |
| 343                | Modeling the effects of alcohol taxation on rates of violence and homicide in New York City: an agent-based modeling approach<br><b>Katherine Keyes</b>  |                    |
| 344-S/P            | Neighborhood Greenness and Aggressive Behaviors of Adolescents in Southern California: A Longitudinal Analysis<br><b>Diana Younan</b>  |                    |
|                    | <b>DISPARITIES IN OBESITY: HOW MUCH NATURE? HOW MUCH NURTURE? (CCS) – 2D</b><br><b>SESSION CHAIR:</b> Elizabeth Bertone-Johnson  | Mt. Elbert B       |
| 353-S/P            | The causal effect of obesity on multiple sclerosis: A Mendelian randomization study<br><b>Milena Gianfrancesco</b>   |                    |

|   |   |             |
|---|---|-------------|
| 352   | Epigenome-wide study of body mass index shows methylation changes at obesity-related genes<br><b>Lauren E. Wilson</b>   |             |
| 351-S/P   | Fetal Growth and Duration of Gestation on Childhood Obesity<br><b>Hyojun Park</b>   |             |
| 350   | Are disparities in adolescent obesity attributable to environmental characteristics?: an illustration of Oaxaca-Blinder decomposition<br><b>Daniel R. Taber</b>     |             |
| 354   | Do body mass norms among demographic groups influence perceptions of overweight? A study of adults in the United States<br><b>Abdul M. El-Sayed</b>                 |             |
| <b>OCCUPATIONAL EPIDEMIOLOGY (CCS) – 2E</b>   |   | Mt. Sopris  |
| SESSION CHAIR: Anna Pollack   |   |             |
| 360   | Incident Ischemic Heart Disease after Long-Term Occupational Exposure to Fine Particulate Matter Accounting for Two Forms of Survivor Bias<br><b>Sadie Costello</b> |             |
| 361-S/P   | Organophosphate insecticide use and cancer incidence among spouses of pesticide applicators in the Agricultural Health Study<br><b>Catherine C. Lerro</b>           |             |
| 362   | Socioeconomic status and asthma among WTC responders<br><b>Hyun Kim</b>   |             |
| 363   | Occupational exposure to solvents and acquired color vision defects in San Francisco Bay Area automotive mechanics<br><b>Stella Beckman</b>                         |             |
| <b>NOVEL RISK FACTORS AND METHODS IN EPIDEMIOLOGY OF THE AGING BRAIN (CCS) – 2F</b> |   | Grays Peak  |
| SESSION CHAIRS: Jennifer Weuve and Bryan James                                      |   |             |
| 374   | Cognitive decline after intensive care (ICU) and non-ICU hospitalization in community-dwelling older adults<br><b>Bryan D. James</b>                                |             |
| 375-S/P   | Lifecourse socioeconomic status as a predictor of cognitive function and decline<br><b>Jessica R. Marden</b>  |             |
| 371-S/P   | Recessions and cognitive function in older American workers<br><b>Philipp Hessel</b>  |             |
| 372-S/P   | Depression following negative wealth shock during late middle age: a crossover study<br><b>Lindsay R. Pool</b>  |             |
| 373-S/P   | Heart Rate Variability and Incident Stroke: Approximate Bayesian Analysis in the Atherosclerosis Risk in Communities Study<br><b>Clemma Muller</b>                  |             |
| 370-S/P   | Causal Diagramming with Compartmental Model Diagrams: Illustrating a Parametric Alternative to DAGs<br><b>Sarah F. Ackley</b>                                       |             |
| <b>LATEBREAKER SESSION (CCS) – 2G</b>   |   | Maroon Peak |
| SESSION CHAIRS: Charles Poole and Matthew Fox                                       |   |             |
| L15   | Secondhand Smoke Exposure and Subclinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis<br><b>Hoda Magid</b>                                    |             |
| L16   | A quantitative method to identify targets for reducing health disparities: an applied example<br><b>John W. Jackson</b>   |             |
| L17   | Polychlorinated biphenyls and their association with survival following breast cancer<br><b>Humberto Parada</b>   |             |
| L18   | Novel Sensitivity Analysis for Uncontrolled Confounding in G-methods<br><b>Onyebuchi A. Arah</b>  |             |
| L19-S/P   | Acute high-dose and chronic lifetime exposure to alcohol consumption and differentiated thyroid cancer<br><b>Yunji Hwang</b>  |             |
| 3:00 – 3:30 pm  | Break   |             |

**Symposia (S) & Concurrent Contributed Session (CCS) – 3**

**SIMPLIFICATIONS THAT DON'T WORK: WHEN IGNORING COMPETING AND RECURRENT EVENTS LEADS DOWN THE WRONG CAUSAL PATH (S) – 3A**  
**SESSION CHAIR:** Ian Shrier

Imperial Ballroom

Commonly violated underlying assumptions  
**Ian Shrier**  
 Recent approaches to informative cluster size (?)  
**Ashley Naimi**  
 Modeling competing and recurrent events  
**Bryan Lau**

**COMPLEX SYSTEMS EPIDEMIOLOGY: ENGINEERING ECOSYSTEM HEALTH (CCS) – 3B**  
**SESSION CHAIR:** Matteo Convertino

Mt. Evans

- 381-S/P Gender differences in social networks of alcohol use among college students  
**Alison R. Walsh**
- 380-S/P Neighborhood-level socioeconomic status modifies air pollution-asthma associations in Atlanta  
**Cassandra O'Lenick**
- 382 Neighborhood Walkability and Physical Activity in South Asians in the MASALA Study  
**Irene Yen**
- 385 Obesogenic environments in childhood in PA: a network approach  
**Emily A. Knapp**
- 383-S/P The geography of post-disaster mental health: Spatial patterning of psychological vulnerability and resilience in New York City after Hurricane Sandy  
**Oliver Gruebner**
- 384 Designing Optimal Occupational Infrastructure for Population Health Resilience in India: a Probabilistic Portfolio Decision Model  
**Matteo Convertino**

**LONG-TERM DISASTER EPIDEMIOLOGY: PROBLEMS AND RESILIENCE 10 YEARS AFTER KATRINA (S) – 3C**  
**SESSION CHAIR:** Emily Harville

Mt. Elbert A

Lessons Learnt from the Health Survey for Children and Adolescents after Katrina (HSCAAK)  
**Barbara Rath**  
 HIV/STI/substance use risk among Latino Migrant workers in post-disaster New Orleans  
**Patty Kissinger**  
 Culture and technology-enabled community health workers as factors influencing birth outcomes and psychosocial health in post-disaster first time moms  
**Maureen Lichtveld**  
 The Impact of Hurricane Katrina Trauma Exposure on Children's Health  
**Katherine Theall**  
 Short term health effects associated with the Deepwater Horizon oil spill among a population-based sample of women in Southeast Louisiana  
**Edward Peters and Ariane Rung**  
 Discussants – **Pierre Buekens and Sandro Galea**

**ETIOLOGIC HETEROGENEITY OF BREAST CANCER (CCS) – 3D**  
**SESSION CHAIR:** Louise Brinton

Mt. Elbert B

- 392-S/P Reproductive risk factors in relation to molecular subtypes of breast cancer  
**Julia S. Sisti**
- 393-S/P A Prospective Study of Endometriosis and Risk of Breast Cancer  
**Leslie V. Farland**
- 391 Anti-Müllerian hormone concentrations in premenopausal women and breast cancer risk  
**Hazel Nichols**
- 390 The association between mammographic calcifications and invasive breast cancer prognostic factors in a population-based mammography registry  
**Sarah J. Nyante**

**MULTIPLE POLLUTANT METHODS FOR AIR POLLUTION AND HEALTH RESEARCH (S) – 3E**

Mt. Sopris

SESSION CHAIR: Kathryn Adams

Source-specific exposure assessment by using Bayesian spatial multivariate receptor models for spatially correlated multi-pollutant data

**Eun Sug Park**

Examining spatially varying effects of multiple-pollutant air pollution exposures on birth outcomes using conditional autoregressive (CAR) models

**John Molitor**

Dimension reduction for spatially misaligned multi-pollutant exposure data: Predictive sparse principal component analysis and predictive k-means clustering

**Adam Szpiro**

Robust distributed lag models for analyzing health effects due to multiple pollutants: a shrinkage approach

**Bhramar Mukherjee**

**EPIDEMIOLOGY AND IMPLEMENTATION SCIENCE: DESIGNING AND CONDUCTING RESEARCH WITH THE REAL WORLD IN MIND (S) – 3F**

Grays Peak

SESSION CHAIRS: Kathleen Wirth and Jessica Chubak

Integrating a pragmatic clinical trial into practice: an example of in-home HPV testing for cervical cancer

**Rachel Winer**

Early Infant Male Circumcision as Part of HIV Prevention Efforts: From Theory to Implementation

**Rebeca Plank**

Narrowing the ‘Know-Do Gap’: Using Implementation Science to Address TB/HIV Co-Infection in Sub-Saharan Africa

**Andrea Howard**

Patient and policy factors affecting use of second-generation long-acting injectable antipsychotics in the United States

**John Jackson**

**DIET, ENERGY BALANCE AND WOMEN'S HEALTH (CCS) – 3G**

Maroon Peak

SESSION CHAIR: Susan Hankinson

400 Posttraumatic stress disorder symptoms and problematic overeating behaviors in young women

**Susan Mason**

401-S/P Overall and Central Adiposity and Breast Cancer Risk in the Sister Study

**Alexandra J. White**

402-S/P Racial disparity on the association between pre-pregnancy BMI and pregnancy complications

**Sandie Ha**

403-S/P Dairy intake and fecundability in two preconception cohort studies

**Lauren A. Wise**

404-S/P Low plasma 25-hydroxyvitamin D is associated with irregular menstrual cycles

**Anne Marie Z. Jukic**

5:00 – 6:30 pm **Poster Session 2 and Reception (cash bar)**

Grand Ballroom

5:00 – 6:00 pm **Mentored Poster Chats**

Grand Ballroom Foyer

6:30 – 7:30 pm **SER Student Postdoc Committee (SPC) Business Meeting**—all SPC members welcome

Mt. Wilson

Chair: Craig Meyer

7:30 pm onward **SPC Happy Hour**

Meet in Lobby

|                  |   |                    |
|------------------|---|--------------------|
| 7:00 – 7:50 am   | <b>SPC Breakfast with the Experts</b>   | Location on Ticket |
| 8:00 – 9:30 am   | <b>Plenary Session 2</b><br><b>Session Chair:</b> Timothy Lash<br><br>The Scientific Approach to Causal Inference<br><b>2015 Keynote Cassel Lecture, Judea Pearl</b><br><br>Brian MacMahon Early Career Winner, <b>Sunni Mumford</b>  | Imperial Ballroom  |
| 9:30 – 10:00 am  | Break   |                    |
| 10:00 – 11:30 am | <b>Symposia (S) &amp; Concurrent Contributed Session (CCS) – 4</b>  |                    |
|                  | <b>CAUSAL EFFECTS AS HYPOTHETICAL INTERVENTION EFFECTS: DEVELOPMENTS IN CAUSAL INFERENCE (CCS) – 4A</b><br><b>SESSION CHAIR:</b> Nicolle Gatto  | Imperial Ballroom  |
| 712              | Triply-randomized experiments as an idealized system for causal inference<br><b>Stephen Cole</b>  |                    |
| 713              | Causal Inference in Epidemiology: The Role of Complex System Models<br><b>Matteo Convertino</b>   |                    |
| 710-S/P          | The parametric g-formula for continuous outcomes: smoking cessation and long-term weight change<br><b>Priyanka Jain</b>   |                    |
| 711              | S-admissibility and transportability in network meta-analysis<br><b>Conrad Kabali</b>   |                    |
|                  | <b>PREVENTION AND TREATMENT APPROACHES TO PUBLIC HEALTH: WHAT CAN WE LEARN FROM SIMULATIONS? (S) – 4B</b><br><b>SESSION CHAIR:</b> Magdalena Cerdá  | Mt. Evans          |
|                  | What can HIV teach us about optimal strategies for prevention and treatment of malaria in elimination settings?<br><b>John Marshall</b><br>Targeting antiretroviral-based prevention and treatment strategies to curtail HIV transmission and maximize impact<br><b>Brandon Marshall</b><br>The mathematical limits of genetic prediction for complex chronic disease<br><b>Katherine Keyes</b><br>To treat or to prevent? Reducing the population burden of violence-related posttraumatic stress disorder<br><b>Magdalena Cerdá</b><br><br>Discussant – <b>Jennifer Ahern</b> |                    |
|                  | <b>NOVEL METHODS TO CHARACTERIZE INEQUITIES IN POLLUTION EXPOSURE AND SUSCEPTIBILITY (CCS) – 4C</b><br><b>SESSION CHAIRS:</b> Sheryl Magzamen and Maggie Clark  | Mt. Elbert A       |
| 720              | Cumulative risk and adverse birth outcomes: the GROWTH study<br><b>Emily Harville</b>   |                    |
| 721              | Adventures in positivity: Parsing the relative contribution of environmental exposures and social factors in urban settings<br><b>Sheryl Magzamen</b>   |                    |
| 722              | Validating administrative social stressor indicators across New York City for social-environmental epidemiology<br><b>Jessie L. Carr Shmool</b>   |                    |
| 723              | Residential Greenness Associated with Reduced Depression Risk: Findings from a Nationwide Prospective Cohort of Adult Women<br><b>Rachel F. Banay</b>   |                    |
| 724              | Comparison of analytic methods to accommodate multiple exposures in environmental epidemiology<br><b>Cheryl R. Stein</b>  |                    |
| 725              | Overall environmental quality and cancer incidence<br><b>Jyotsna Jagai</b>  |                    |

**LATEBREAKER SESSION (CCS) – 4D**

SESSION CHAIRS: Charles Poole and Matthew Fox

Mt. Elbert B

- L-40 Synergy between Circulating Androgens and Estradiol in Relation to the Risk of Uterine Fibroids: Study of Women’s Health across the Nation (SWAN)  
**Jason Y.Y. Wong**
- L41-S/P Developing a Prognostic Model for Significant Liver Fibrosis in HIV-Hepatitis C (HCV) Co-Infected Individuals from the Canadian Co-infection Cohort Study  
**Nasheed Moqueet**
- L42-S/P Detection bias in the prenatal diagnosis of malformations among SSRI exposed women  
**Anna M. Modest**
- L43-S/P Using the parametric g-formula to estimate the potential effects of intervening on risk factors of increased adiposity in a longitudinal cohort of preschool-aged children in Los Angeles  
**Roch A. Nianogo**
- L44-S/P Dietary fatty acid intakes and time to pregnancy  
**Kristen Hahn**

**CANCER EPI-NIM (NOVELTY, IMPACT AND MECHANISM) (CCS) – 4E**

SESSION CHAIR: Shuji Ogino

Grays Peak

- 731 Stromal Collagen Fiber Orientation and Recurrent Breast Cancer in Situ  
**Ronald E. Gangnon**
- 734 Pre-diagnostic serum levels of inflammation markers and risk of endometrial cancer in the Prostate Lung Colorectal and Ovarian Cancer (PLCO) Screening Trial  
**Britton Trabert**
- 733 Etiologic research on cancers: potential niches for ecologic studies  
**Andreas Stang**
- 732-S/P Association of Coffee Consumption with Overall and Cause Specific Mortality in a Large U.S. Prospective Cohort  
**Erikka Loftfield**
- 730 Occupational exposure to beryllium and mortality from lung cancer and beryllium disease  
**Paolo Boffetta**

**IMPROVING THE HEALTH OF CHILDREN (CCS) – 4F**

SESSION CHAIR: Nedra Whitehead

Maroon Peak

- 742-S/P Respiratory Distress Syndrome in Moderately Preterm Infants and Risk of Epilepsy: A Population-Based Study  
**Sandra Kruchov Thygesen**
- 743 Breast is best- the protective effects of being breast-fed on lung function in early adolescence : The Gateshead Millennium Study  
**Mark S. Pearce**
- 740-S/P Self-Injurious Behaviors in Children with Autism Spectrum Disorders Compared to Children with Other Developmental Disabilities: the Study to Explore Early Development (SEED)  
**Gnakub Norbert Soke**
- 741 Neighbourhood Built Environment Typologies and Adiposity In School Age Children  
**Tracie A. Barnett**
- 744 Changing inequalities in survival among children with acute lymphoblastic leukemia by race/ethnicity age and sex  
**Linwei Wang**

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

12:00 – 1:00 pm **EARLY STAGE INVESTIGATORS (ESI)**  
**Community Engagement in Epidemiological Research**  
Session Chair: Bernard Harlow and Andrew Olshan

Imperial Ballroom

**Lunchtime Roundtables** (lunch on your own)

Location on Ticket

1:00 – 2:00 pm **SER MEMBER BUSINESS MEETING** —all members welcome  
Chair: Timothy Lash, SER President  
Society Business  
Presentation of Awards:  
Distinguished Service to SER—Joseph Lynn Lyon

Maroon Peak



Career Accomplishment—Louise Brinton  
 Excellence in Education—Enrique Schisterman  
 Brian MacMahon Early Career—Sunni Mumford  
 Tyroler Student Prize Paper—Hailey Banack  
 Lilienfeld PostDoctoral Prize Paper—Ashley Naimi  
 Student Travel Scholarships  
 AJE Articles of the Year  
 AJE Figure of the Year  
 AJE Reviewers of the Year

2:00 – 2:15 pm

Break

2:15 – 3:45 pm

**Symposia (S) & Concurrent Contributed Session (CCS) – 5**

**TEACHING INTRODUCTORY EPIDEMIOLOGY: WHAT SHOULD STUDENTS LEARN AND HOW SHOULD WE TEACH IT? (S) – 5A**

Imperial Ballroom

SESSION CHAIR: Daniel Brooks

Teaching epidemiology by building on foundational concepts

**Katherine Keyes**

Applying the case method for teaching epidemiology

**Jessica Paulus**

Engaging students through active learning: report from the front lines

**Jacey Greece**

**DOES PLACE REALLY MATTER? CAUSAL INFERENCE IN SOCIAL EPIDEMIOLOGY (S) – 5B**

Mt. Evans

(Sponsored by *American Journal of Epidemiology*)

SESSION CHAIR: Ichiro Kawachi

Neighborhoods, causal inference and the life course: the “stickiness” problem

**Thomas Glass**

Is the “well-defined intervention” requirement politically conservative?

**Sharon Schwartz**

Prioritizing directions for causal inference in social epidemiology: bias, precision, and imagination

**Maria Glymour**

**INFECTIOUS DISEASE EPIDEMIOLOGY: APPLICATIONS OF NOVEL METHODS (CCS) – 5C**

Mt. Elbert A

SESSION CHAIR: Matthew Fox

752-S/P

Modeling the Impact of Improved Healthcare Infrastructure on the West African Ebola Outbreak

**Eric T. Lofgren**

750

Estimating the history of influenza incidence using cross sectional antibody tests

**Justin Lessler**

753-S/P

Community-level antiretroviral therapy coverage and HIV acquisition in rural KwaZulu-Natal South Africa: an instrumental variable analysis

**Kathleen E. Wirth**

751

Effect of ART on mortality generalized to newly HIV-diagnosed persons in the US

**Catherine Lesko**

**RESEARCH CONSIDERATIONS IN EPIGENETIC EPIDEMIOLOGY STUDIES (S) – 5D**

Mt. Elbert B

SESSION CHAIRS: Maria Argos and Carmen Marsit

Opportunities and Challenges in Epigenetic Epidemiology

**Karin Michels**

Considerations in Study and Experimental Design in Epigenetic Epidemiology

**Carmen Marsit**

Cell Composition Effects in the Analysis of DNA Methylation Data

**E. Andres Houseman**

Defining the Selection of CpGs for Cell Mixture Deconvolution: the Rich Get Richer and the Poor Get Poorer

**Devin Koestler**

**G-METHODS IN PRACTICE: AN EXAMPLE FROM OCCUPATIONAL EPIDEMIOLOGY (S) – 5E**

SESSION CHAIRS: Jessie Buckley and Ashley Naimi

Grays Peak

Dissecting the Healthy Worker Survivor Effect and Addressing its Component Parts

**Johnathan Chevrier**

Making sense of competing risks and occupational arsenic exposure using the parametric g-formula

**Alexander P. Keil**

The Structural Accelerated Failure Time Model in the Context of a Public Health Framework

**Sally Picciotto**

Discussant – **Ashley Naimi**

**DIET AND REPRODUCTION: MEASUREMENT, METHODS, AND CLINICAL IMPLICATIONS (S) – 5F**

SESSION CHAIR: Sunni Mumford

Maroon Peak

Female Reproductive Health: What’s the Deal with Diet?

**Sunni Mumford**

Nutrition and the Male Contribution to Fertility: Methodological and Practical Considerations

**Jorge E. Chavarro**

Diet and Fecundability in Two Preconception Cohorts from North America and Denmark

**Lauren Wise**

What Doctors and Patients Want to Know about Fertility Diet: Food for Thought or All for Naught?

**Alex J. Polotsky**

**CANNABIS USE BEYOND ADDICTION; EXPOSURE ASSESSMENT IN AN ENVIRONMENT OF RECREATIONAL AND THERAPEUTIC USE (S) – 5G**

SESSION CHAIR: Gregory Kinney

Mt. Columbia

Efficacy and Safety of Medical Marijuana

**Russell Bowler**

Tobacco and marijuana use and exposure in 2014: Findings from a survey research study in Colorado

**Kathy James-Arnold Levinson**

Political and Public Health Landscape of Marijuana in Colorado

**Mike VanDyke**

3:45 – 4:15 pm

Break

4:15 – 5:45 pm

**Symposia (S) & Concurrent Contributed Session (CCS) – 6**

**BAYESIAN METHODS IN CAUSAL INFERENCE (S) – 6A**

SESSION CHAIR: Jess Edwards

Imperial Ballroom

Infinity plus two: robustness the Bayesian way

**Francesca Dominici**

Can There be Bayesian Double Robustness?

**Olli Saarela**

Discussant – **James Robins**

**SOCIAL EPIDEMIOLOGY ACROSS THE LIFECOURSE (CCS) – 6B**

SESSION CHAIRS: Sandro Galea and Theresa Osypuk

Mt. Evans

760

Examining the joint effects of everyday discrimination and low household autonomy on smoking during pregnancy and low birth weight among Romani women

**Teresa Janevic**

765-S/P

Poverty and child development: A longitudinal study of the impact of the earned income tax credit

**Rita Hamad**

762

Does work flexibility lead to better parent’s health? A quasi-experimental study of the 2003 Work Flexibility Act in the United Kingdom

**Mauricio Avendano**

- 761-S/P Exposure to neighborhood foreclosures and changes in cardiometabolic health: Results from the Multi-Ethnic Study of Atherosclerosis  
**Paul Christine**
- 764-S/P Widening educational disparities in life expectancy among women in the United States: A story of deteriorating life circumstances or selective social mobility?  
**Elizabeth Rose Mayeda**
- 763 Impact of sustained economic hardship on cognitive functioning  
**Adina Zeki AL Hazzouri**
- SUBSTANCE USE EPIDEMIOLOGY: INVESTIGATING TYPOLOGIES AND TRAJECTORIES (CCS) – 6C** Mt. Elbert A  
**SESSION CHAIR:** Brandon Marshall
- 772 Medical Marijuana Laws and Annual Opioid Analgesic Sales in the United States  
**June H. Kim**
- 774-S/P Incident non-medical use of prescription opioids is associated with heroin initiation among U.S. veterans: A prospective cohort study  
**Geetanjali Banerjee**
- 773 The impact of illicit drug use on adherence to antiretroviral therapy (ART) among HIV-infected women in the United States  
**Yuehan Zhang**
- 770-S/P Injection cocaine use as a risk factor for chronic renal impairment among hepatitis C and HIV co-infected patients receiving care  
**Carmine Rossi**
- 771 Modern methods for analyzing behavior over time: Examples from the MACC community-based cohort  
**Darin Erickson**
- CARDIOMETABOLIC HEALTH OVER LIFESPAN: EPIDEMIOLOGY AND NOVEL RISK FACTORS (CCS) – 6D** Mt. Elbert B  
**SESSION CHAIR:** Cuilin Zhang
- 784-S/P County-level Disparities in Cardiovascular Disease Mortality in the United States in 2007-2011: Contributing Factors  
**Shivani A. Patel**
- 782-S/P Associations between early life socioeconomic position candidate gene methylation and adult cardio metabolic phenotypes in young adult women in the Jerusalem Perinatal Family Follow-Up Study  
**Jonathan Y. Huang**
- 785-S/P Gestational diabetes and offspring obesity in childhood adolescence and early adulthood  
**Shanshan Li**
- 783-S/P Association between Dehydration & Short-term Risk of Myocardial Infarction and Stroke in Ischemic Heart Disease Patients  
**Joel N. Swerdel**
- 780 Chemical exposures and ischemic heart disease in the aluminum industry  
**Daniel Brown**
- 781 The Interaction of Sugars Intake and HLA Genotype in Type 1 Diabetes Development: The Diabetes Autoimmunity Study in the Young  
**Molly M. Lamb**
- ENVIRONMENTAL EPIDEMIOLOGY: SPANNING RISK FACTORS, AGES, AND HEALTH OUTCOMES (CCS) – 6E** Grays Peak  
**SESSION CHAIR:** Jennifer Peel
- 795 Climate change and very dangerous heat waves: Projecting the frequency of high-mortality heat waves in 82 US communities in 2061--2080 under different climate population and adaptation scenarios  
**G. Brooke Anderson**
- 792-S/P Association of traffic-related air pollution and coronary artery calcium in the Framingham Heart Study  
**Kirsten S. Dorans**
- 791-S/P Birth outcomes and unconventional natural gas development in Pennsylvania USA 2009-2013  
**Joan A. Casey**
- 790 Combined Exposures to Prenatal Pesticides and Folic Acid Intake in Relation to Autism Spectrum Disorders  
**Rebecca J. Schmidt**
- 794-S/P Residential exposure to pesticide active ingredients and birth defects  
**Kristen M. Rappazzo**
- 793-S/P Organochlorine insecticides DDT and chlordane in relation to survival following breast cancer  
**Humberto Parada**

**RIVETING RESEARCH IN REPRODUCTIVE EPIDEMIOLOGY (CCS) – 6F**

Maroon Peak

SESSION CHAIR: Kristin Palmsten

- 804-S/P Couples' use of tobacco products and time-to-pregnancy in a preconception cohort  
**Katherine J. Sapra**
- 801 Is there an association between presence of thyroid antibodies and pregnancy loss?  
**Torie Comeaux Plowden**
- 800-S/P Pre-conception low-dose aspirin and sex ratio: the EAGeR trial  
**Rose Radin**
- 803 Race disparities in placental vascular lesions  
**Janet M. Catov**
- 802 The Virulent Male: Preterm Birth and Growth Restriction following a First-Born Son  
**Tim A. Bruckner**

**PREDESTINATION OF THE MODIFIABLE: LIFECOURSE APPROACHES IN BEHAVIORAL EPIDEMIOLOGY (CCS) – 6G**

Mt. Columbia

SESSION CHAIR: Stephen Mooney

- 810-S/P The association between childhood psychological functioning and adulthood healthy lifestyle  
**Ashley Winning**
- 811-S/P Prenatal and Perinatal Risk Factors for Self-Injurious Behaviors in Autism Spectrum Disorders  
**Gnakub Norbert Soke**
- 812-S/P Towards understanding educational inequalities in later-life physical activity in England  
**Lindsay C. Kobayashi**
- 813-S/P Gestational weight gain pre-pregnancy body mass index and offspring intelligence and executive function at age 10  
**Sarah Pugh**

- 5:45 – 7:00 pm **Poster Session 3 and Reception** (cash bar) Grand Ballroom
- 5:45 – 6:45 pm **Mentored Poster Chats** Grand Ballroom Foyer
- 5:45 – 6:15 pm **2017 Program Committee Meeting** (New volunteer members welcome) Mt. Columbia
- 5:45 – 6:15 pm **2017 Social Committee Meeting** (New volunteer members welcome) Maroon Peak
- 7:00 pm onward **Alumni Receptions** Various locations  
Check message board

8:00 – 9:30 am

**Plenary Session 3**

**Session Chair:** Diane Lauderdale

Imperial Ballroom

Distinguished Service to SER Award Winner Presentation, **Joseph Lynn Lyon**

Career Accomplishment Award Winner Presentation, **Louise Brinton**

Excellence in Education Winner Presentation, **Enrique Schisterman**

9:30 – 10:00 am

Break

10:00 – 11:30 am

**Symposia (S) – 7**

**DEVELOPING EXAMPLES TO TEACH EPIDEMIOLOGIC CONCEPTS (S) – 7A**

Mt. Evans

**SESSION CHAIR:** Penelope Howards

Keeping it real or making it up: Numerical examples for epidemiologic teaching

**Charles Poole**

Teaching epidemiologic concepts through simulation

**Matthew Fox**

Finding inspiration: Practical tips for developing examples

**Penelope Howards**

**COMPLEXITY AND CAUSAL INFERENCE: RIGOR AND REALISM IN EPIDEMIOLOGY (S) – 7B**

Mt. Elbert A

**SESSION CHAIRS:** Abdul El-Sayed, Maria Glymour and Ashley Naimi

Complexity and casuistry: some real and imagined limitations of counterfactual frameworks and "causal inference research" in epidemiology

**Maria Glymour**

Systems Science in Epidemiology: Substance and Semantics

**Ashley Naimi**

Toward a Systems Epidemiology: The uses and misuses of systems models in population health

**Abdul El-Sayed**

Contextualizing Complexity: When Are Systems Science Methods Constructive?

**Brandon Marshall**

Discussant – **Tyler VanderWeele**

**DEMAND-DRIVEN EPIDEMIOLOGY HOW AND WHEN CAN WE HELP TO RESOLVE POLICY CONTROVERSIES? (S) – 7C**

Mt. Elbert B

**SESSION CHAIR:** David Savitz

Regulating Particulate Matter Air Pollution: the Strengths - and Limits - of How Epidemiology Has Informed Decisions

**Daniel Greenbaum**

Sodium and Health: Balancing Evidence, Policy, and Reality

**Cheryl Anderson**

The Challenge of Describing Both Benefits and Harms of Cancer Screening in the Same Breath

**Tim Byers**

Can Epidemiologic Research Address the Lingering Health Concerns with Cell Phones?

**David Savitz**

**THE DEVELOPMENTAL ORIGINS OF DISEASE: RELEVANCE FOR POPULATION HEALTH (S) – 7D**

Grays Peak

**SESSION CHAIRS:** Stephen Gilman and Enrique Schisterman

The fetal origins of obesity and cardiovascular disease

**Edwina Yeung**

The fetal origins of psychiatric disorders

**Stephen E. Gilman**

Feto-placental development and the biological basis of the fetal origins of disease

**Yoel Sadovsky**

Statistical and epidemiological challenges in fetal origins research

**Enrique Schisterman**

11:30 am – 12:00 pm

Break

12:00 – 1:00 pm

**Professional Development Sessions (PD) – 8**

**PROFESSIONAL DEVELOPMENT: PERSONALIZED CAREER PATHS (PD) – 8A**

Mt. Elbert A

**SESSION CHAIR:** Enrique F. Schisterman

**PROFESSIONAL DEVELOPMENT: TO EPI OR NOT TO EPI: FACTORS TO CONSIDER WHEN DECIDING WHETHER TO SEND YOUR MANUSCRIPT TO AN EPIDEMIOLOGIC JOURNAL (PD) – 8B**

Grays Peak

**SESSION ORGANIZER:** Mark Klebanoff

**MODERATOR:** Timothy Lash

**Panelists:** Andreas Stang, Louise Brinton, and Jill Norris

**PROFESSIONAL DEVELOPMENT: ARE ACADEMIC PROMOTION EXPECTATIONS CONSISTENT WITH THE CURRENT RESEARCH CLIMATE? (PD) – 8C**

Mt. Evans

**SESSION CHAIR:** Andrew Olshan

**Panelists:** Diane Lauderdale, David Savitz, Michelle Williams

1:00 pm

**Meeting Adjourned**

See you in Miami, Florida for the *4<sup>th</sup> Epidemiology Congress of the Americas!*

June 21-24, 2016