The “S/P” designation indicates that the work was completed while the presenter was a student.

### 48th Annual Meeting — Final Program
**June 16-19, 2015**

#### TUESDAY, JUNE 16, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>7:00 – 8:30 pm</td>
<td>Poster Session 1</td>
<td>Grand Ballroom</td>
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<tr>
<td>7:00 – 8:00 pm</td>
<td>Mentored Poster Chats</td>
<td>Grand Ballroom Foyer</td>
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<tr>
<td>7:00 – 9:00 pm</td>
<td>Welcome Reception (cash bar)</td>
<td>Grand Ballroom</td>
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#### WEDNESDAY, JUNE 17, 2015

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

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

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

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

The “S/P” designation indicates that the work was completed while the presenter was a student.
11:30 am – 1:30 pm  Lunch (on your own)

12:00 – 1:00 pm  **Lunchtime Roundtables** (lunch on your own)  
Location on Ticket  
SPC Junior Career Panel  
Grays Peak  
Meet the Editors *(Sponsored by the American Journal of Epidemiology)*  
Mt. Elbert B

1:30 – 3:00 pm  **Symposia (S) & Concurrent Contributed Session (CCS) – 2**  
**EBOLA, MERS AND CHIKUNGUNYA: METHODOLOGICAL ISSUES IN RESPONDING TO EMERGING DISEASE THREATS (S) – 2A**  
**SESSION CHAIR:** Justin Lessler  
Imperial Ballroom  
Characterizing Ebola transmission, contact tracing and surveillance in West Africa  
**Derek Cummings**  
Lessons learned from the field: back to basics  
**Thais Dos Santos**  
How big is the Iceberg? Estimating the number of unseen cases of MERS-CoV  
**Justin Lessler**  
Discussant – **Morgan Hennessey**  
**METHODOLOGICAL CHALLENGES TO STUDYING PREGNANCY AND EARLY CHILDHOOD OUTCOMES (CCS) – 2B**  
**SESSION CHAIRS:** Emily Mitchell and Penelope Howards  
Mt. Evans  
Hierarchical semi-Bayes methods for misclassification of maternal prepregnancy BMI  
**Richard F. MacLehose**  
Dealing with Bias in Time-To-Event Analyses: An Application to Time to Pregnancy  
**Emily Mitchell**  
Implications of using a fetuses-at-risk approach when fetuses are not at risk  
**Olga Basso**  
Does neighborhood racial segregation influence preterm birth across the life course? An application of marginal structural models  
**Theresa L. Osypuk**  
Assessing nonignorable loss to follow-up in a longitudinal birth cohort study of body fat in childhood  
**Jessie P. Buckley**

**TAKING IT TO THE NEXT LEVEL: CAN STATE- AND COMMUNITY-LEVEL POLICIES INFLUENCE INJURIES AND VIOLENCE? (CCS) – 2C**  
**SESSION CHAIRS:** Carolyn DiGuiseppi and Ashley Brooks-Russell  
Mt. Elbert A  
Medical marijuana laws state-level marijuana use and traffic fatalities  
**Julian Santaella-Tenorio**  
Public health and criminal justice approaches to reducing urban violence: a set of simulated experiments  
**Magdalena Cerdá**  
**Jason Ferris**  
Modeling the effects of alcohol taxation on rates of violence and homicide in New York City: an agent-based modeling approach  
**Katherine Keyes**  
Neighborhood Greenness and Aggressive Behaviors of Adolescents in Southern California: A Longitudinal Analysis  
**Diana Younan**

**DISPARITIES IN OBESITY: HOW MUCH NATURE? HOW MUCH NURTURE? (CCS) – 2D**  
**SESSION CHAIR:** Elizabeth Bertone-Johnson  
Mt. Elbert B  
The causal effect of obesity on multiple sclerosis: A Mendelian randomization study  
**Milena Gianfrancesco**
Epigenome-wide study of body mass index shows methylation changes at obesity-related genes
**Lauren E. Wilson**

Fetal Growth and Duration of Gestation on Childhood Obesity
**Hyojun Park**

Are disparities in adolescent obesity attributable to environmental characteristics?: an illustration of Oaxaca-Blinder decomposition
**Daniel R. Taber**

Do body mass norms among demographic groups influence perceptions of overweight? A study of adults in the United States
**Abdul M. El-Sayed**

**OCCUPATIONAL EPIDEMIOLOGY (CCS) – 2E**

**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
**Sadie Costello**

361-S/P Organophosphate insecticide use and cancer incidence among spouses of pesticide applicators in the Agricultural Health Study
**Catherine C. Lerro**

362 Socioeconomic status and asthma among WTC responders
**Hyun Kim**

363 Occupational exposure to solvents and acquired color vision defects in San Francisco Bay Area automotive mechanics
**Stella Beckman**

**NOVEL RISK FACTORS AND METHODS IN EPIDEMIOLOGY OF THE AGING BRAIN (CCS) – 2F**

**SESSION CHAIRS:** Jennifer Weuve and Bryan James

374 Cognitive decline after intensive care (ICU) and non-ICU hospitalization in community-dwelling older adults
**Bryan D. James**

375-S/P Lifecourse socioeconomic status as a predictor of cognitive function and decline
**Jessica R. Marden**

371-S/P Recessions and cognitive function in older American workers
**Philipp Hessel**

372-S/P Depression following negative wealth shock during late middle age: a crossover study
**Lindsay R. Pool**

373-S/P Heart Rate Variability and Incident Stroke: Approximate Bayesian Analysis in the Atherosclerosis Risk in Communities Study
**Clemma Muller**

370-S/P Causal Diagramming with Compartmental Model Diagrams: Illustrating a Parametric Alternative to DAGs
**Sarah F. Ackley**

**LATEBREAKER SESSION (CCS) – 2G**

**SESSION CHAIRS:** Charles Poole and Matthew Fox

L15 Secondhand Smoke Exposure and Subclinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis
**Hoda Magid**

L16 A quantitative method to identify targets for reducing health disparities: an applied example
**John W. Jackson**

L17 Polychlorinated biphenyls and their association with survival following breast cancer
**Humberto Parada**

L18 Novel Sensitivity Analysis for Uncontrolled Confounding in G-methods
**Onyebuchi A. Arah**

L19-S/P Acute high-dose and chronic lifetime exposure to alcohol consumption and differentiated thyroid cancer
**Yunji Hwang**

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

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

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

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

Reproductive risk factors in relation to molecular subtypes of breast cancer
Julia S. Sisti

A Prospective Study of Endometriosis and Risk of Breast Cancer
Leslie V. Farland

Anti-Müllerian hormone concentrations in premenopausal women and breast cancer risk
Hazel Nichols

The association between mammographic calcifications and invasive breast cancer prognostic factors in a population-based mammography registry
Sarah J. Nyante
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The “-S/P” designation indicates that the work was completed while the presenter was a student.

Career Accomplishment—Louise Brinton
Excellence in Education—Enrique Schisterman
Brian MacMahon Early Career—Sunni Mumford
Tyrolean 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
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
(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
SESSION CHAIR: Matthew Fox
Modeling the Impact of Improved Healthcare Infrastructure on the West African Ebola Outbreak
Eric T. Lofgren
Estimating the history of influenza incidence using cross sectional antibody tests
Justin Lessler
Community-level antiretroviral therapy coverage and HIV acquisition in rural KwaZulu-Natal South Africa: an instrumental variable analysis
Kathleen E. Wirth
Effect of ART on mortality generalized to newly HIV-diagnosed persons in the US
Catherine Lesko

RESEARCH CONSIDERATIONS IN EPIDEMIOGENIC EPIDEMIOLOGY STUDIES (S) – 5D
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
**Thursday, June 18, 2015**

**G-Methods in Practice: An Example from Occupational Epidemiology (S) – 5E**

*Session Chairs: Jessie Buckley and Ashley Naimi*

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*

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*

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*

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*

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**

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Exposure to neighborhood foreclosures and changes in cardiometabolic health: Results from the Multi-Ethnic Study of Atherosclerosis

Paul Christine

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

Impact of sustained economic hardship on cognitive functioning

Adina Zeki Al Hazzouri

**SUBSTANCE USE EPIDEMIOLOGY: INVESTIGATING TYPOLOGIES AND TRAJECTORIES (CCS) – 6C**

**SESSION CHAIR:** Brandon Marshall

Mt. Elbert A

761-S/P

764-S/P

763

772

774-S/P

773

770-S/P

771

784-S/P

782-S/P

785-S/P

783-S/P

780

781

795

792-S/P

791-S/P

790

794-S/P

793-S/P

**CARDIOMETABOLIC HEALTH OVER LIFESPAN: EPIDEMIOLOGY AND NOVEL RISK FACTORS (CCS) – 6D**

**SESSION CHAIR:** Cuilin Zhang

Mt. Elbert B

784-S/P

782-S/P

785-S/P

783-S/P

780

781

**ENVIRONMENTAL EPIDEMIOLOGY: SPANNING RISK FACTORS, AGES, AND HEALTH OUTCOMES (CCS) – 6E**

**SESSION CHAIR:** Jennifer Peel

Grays Peak

795

792-S/P

791-S/P

790

794-S/P

793-S/P

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

**SESSION CHAIR**: Kristin Palmsten

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<th>Session Code</th>
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<tbody>
<tr>
<td>804-S/P</td>
<td>Couples’ use of tobacco products and time-to-pregnancy in a preconception cohort</td>
<td>Katherine J. Sapra</td>
<td>Maroon Peak</td>
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<td>801</td>
<td>Is there an association between presence of thyroid antibodies and pregnancy loss?</td>
<td>Torie Comeaux Plowden</td>
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<tr>
<td>800-S/P</td>
<td>Pre-conception low-dose aspirin and sex ratio: the EAGeR trial</td>
<td>Rose Radin</td>
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<tr>
<td>803</td>
<td>Race disparities in placental vascular lesions</td>
<td>Janet M. Catov</td>
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<td>802</td>
<td>The Virulent Male: Preterm Birth and Growth Restriction following a First-Born Son</td>
<td>Tim A. Bruckner</td>
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**PREDESTINATION OF THE MODIFIABLE: LIFECOURSE APPROACHES IN BEHAVIORAL EPIDEMIOLOGY (CCS) – 6G**

**SESSION CHAIR**: Stephen Mooney

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<th>Session Code</th>
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<tr>
<td>810-S/P</td>
<td>The association between childhood psychological functioning and adulthood healthy lifestyle</td>
<td>Ashley Winning</td>
<td>Mt. Columbia</td>
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<td>812-S/P</td>
<td>Towards understanding educational inequalities in later-life physical activity in England</td>
<td>Lindsay C. Kobayashi</td>
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<tr>
<td>813-S/P</td>
<td>Gestational weight gain pre-pregnancy body mass index and offspring intelligence and executive function at age 10</td>
<td>Sarah Pugh</td>
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5:45 – 7:00 pm **Poster Session 3 and Reception** (cash bar)

5:45 – 6:45 pm **Mentored Poster Chats**

5:45 – 6:15 pm **2017 Program Committee Meeting** (New volunteer members welcome)

5:45 – 6:15 pm **2017 Social Committee Meeting** (New volunteer members welcome)

7:00 pm onward **Alumni Receptions**

**Check message board**
8:00 – 9:30 am

**Plenary Session 3**

*Session Chair: Diane Lauderdale*

- 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**

*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**

*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**

*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**

**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**

**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**

**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**

**SESSION CHAIR:** Andrew Olshan

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

**1:00 pm**  
Meeting Adjourned

See you in Miami, Florida for the **4th Epidemiology Congress of the Americas!**  
June 21-24, 2016