The "-S" designation indicates that the work was completed while the presenter was a student.
HIV (CCS) – 1C
SESSION CHAIR: Daniel Westreich

Use of abacavir and risk of cardiovascular disease among HIV-infected individuals: a marginal structural model approach
Julia L. Marcus
Improving depression among HIV-infected adults: are our results generalizable?
Angela M. Bengtson
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
The effect of depression on adherence to daily oral HIV pre-exposure prophylaxis in the iPrEx OLE cohort: a marginal structural model
Megha Mehrotra

GLOBAL HEALTH (CCS) – 1D
SESSION CHAIR: Jim Tielsch

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

PERINATAL (CCS) – 1E
SESSION CHAIR: Danelle Lobdell

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

MENTAL HEALTH (CCS) – 1F
SESSION CHAIR: Katherine Keyes

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
The nonlinear relation between depressed mood and coronary artery calcification: the Rancho Bernardo Study
John Bellettiere
Female hormone-related factors and post-menopausal onset depression: results from Health Examinee Study (HEXA) 2004-2012
Sun Jae Jung
Anxiety symptoms and risk of cognitive decline in older community-dwelling men: results from the Osteoporotic Fractures in Men Study
Ahmed M. Kassem
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

**Roundtables**

**SPC – Career Panel**

Meet the Editors *(Sponsored by the American Journal of Epidemiology)*

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*

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**

**METHODS (CCS) – 2B**

*SESSION CHAIRS: Emily Mitchell and Penny Howards*

Assessing nonignorable loss to follow-up in a longitudinal birth cohort study of body fat in childhood

*Jessie P. Buckley*

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*

Dealing with Bias in Time-To-Event Analyses: An Application to Time to Pregnancy

*Emily Mitchell*

Hierarchical semi-Bayes methods for misclassification of maternal prepregnancy BMI

*Richard F. MacLehose*

**INJURY/VIOLENCE (CCS) – 2C**

*SESSION CHAIRS: Carolyn DiGuiseppi and Ashley Brooks-Russell*

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*

**NUTRITION/OBESITY (CCS) – 2D**

*SESSION CHAIR: Elizabeth Bertone-Johnson*

Are disparities in adolescent obesity attributable to environmental characteristics?: an illustration of Oaxaca-Blinder decomposition

*Daniel R. Taber*
Fetal Growth and Duration of Gestation on Childhood Obesity
Hyojun Park
Epigenome-wide study of body mass index shows methylation changes at obesity-related genes
Lauren E Wilson
The causal effect of obesity on multiple sclerosis: A Mendelian randomization study
Milena Gianfrancesco
Do body mass norms among demographic groups influence perceptions of overweight? A study of adults in the United States
Abdul M. El-Sayed

OCCUPATIONAL (CCS) – 2E
SESSION CHAIR: Anna Pollack

Incident Ischemic Heart Disease after Long-Term Occupational Exposure to Fine Particulate Matter Accounting for Two Forms of Survivor Bias
Sadie Costello
Organophosphate insecticide use and cancer incidence among spouses of pesticide applicators in the Agricultural Health Study
Catherine C. Lerro
Socioeconomic status and asthma among WTC responders
Hyun Kim
Occupational exposure to solvents and acquired color vision defects in San Francisco Bay Area automotive mechanics
Stella Beckman

AGING (CCS) – 2F
SESSION CHAIRS: Jennifer Weuve and Bryan James

Causal Diagramming with Compartmental Model Diagrams: Illustrating a Parametric Alternative to DAGs
Sarah F. Ackley
Recessions and cognitive function in older American workers
Philipp Hessel
Depression following negative wealth shock during late middle age: a crossover study
Lindsay R. Pool
Heart Rate Variability and Incident Stroke: Approximate Bayesian Analysis in the Atherosclerosis Risk in Communities Study
Amber L Fyfe-Johnson
Cognitive decline after intensive care (ICU) and non-ICU hospitalization in community-dwelling older adults
Bryan D. James

LATEBREAKER SESSION (CCS) – 2G
SESSION CHAIRS: Charles Poole and Matthew Fox

L-1
TBA
L-2
TBA
L-3
TBA

3:00 – 3:30 pm
Break

3:30 – 5:00 pm
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

The “S” designation indicates that the work was completed while the presenter was a student.
Recent approaches to informative cluster size (?)
Ashley Naimi
Modeling competing and recurrent events
Bryan Lau

**SOCIAL/HEALTH DISPARITIES (CCS) – 3B**

**SESSION CHAIR:** Matteo Convertino

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

**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*

**CANCER (CCS) – 3D**

**SESSION CHAIR:** Louise Brinton

- The association between mammographic calcifications and invasive breast cancer prognostic factors in a population-based mammography registry
  *Sarah J. Nyante*
- Anti-Müllerian hormone concentrations in premenopausal women and breast cancer risk
  *Hazel Nichols*
- Reproductive risk factors in relation to molecular subtypes of breast cancer
  *Julia S. Sisti*
- Statin use and breast cancer incidence in the Nurses’ Health Study
  *Thomas P. Ahern*
- A Prospective Study of Endometriosis and Risk of Breast Cancer
  *Leslie V. Farland*

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

**SESSION CHAIR:** Kathryn Adams

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

Women’s Health (CCS) – 3G
Session Chair: Susan Hankinson

Posttraumatic stress disorder symptoms and problematic overeating behaviors in young women
Susan Mason
Overall and Central Adiposity and Breast Cancer Risk in the Sister Study
Alexandra J. White
Racial disparity on the association between pre-pregnancy BMI and pregnancy complications
Sandie Ha
Dairy intake and fecundability in two preconception cohort studies
Lauren A. Wise
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
5:30 – 6:30 pm Poster Chat with a Mentor
Location on Ticket
6:30 – 7:30 pm SER Student Postdoc Committee (SPC) Business Meeting — all SPC members welcome
Chair: Craig Meyer
TBA
7:30 pm onward SER Student/PostDoc Committee Social
Meet in Lobby

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Jyotsna Jagai

**LATEBREAKER SESSION (CCS) — 4D**

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

L-4  
TBA  
L-5  
TBA  
L-6  
TBA

**CANCER (CCS) — 4E**

**SESSION CHAIR:** Shuji Ogino

Occupational exposure to beryllium and mortality from lung cancer and beryllium disease  
Paolo Boffetta
Stromal Collagen Fiber Orientation and Recurrent Breast Cancer in situ  
Ronald E. Gangnon
Association of Coffee Consumption with Overall and Cause Specific Mortality in a Large U.S. Prospective Cohort  
Erikka Loftfield
Etiologic research on cancers: potential niches for ecologic studies  
Andreas Stang
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

**PEDIATRICS (CCS) — 4F**

**SESSION CHAIR:** Nedra Whitehead

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
Neighbourhood Built Environment Typologies and Adiposity In School Age Children  
Tracie A. Barnett
Respiratory Distress Syndrome in Moderately Preterm Infants and Risk of Epilepsy: A Population-Based Study  
Sandra Kruchov Thygesen
Breast is best- the protective effects of being breast-fed on lung function in early adolescence : The Gateshead Millennium Study  
Mark S. Pearce
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

**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  
*Career Accomplishment*—Louise Brinton  
*Excellence in Education*—Enrique Schisterman  
*Brian McMahon Early Career*—Sunni Mumford  
*Tyrolean Student Prize Paper*—Hailey Banack  
*Lilienfeld PostDoctoral Prize Paper*—Ashley Naimi  
*Student Travel Scholarships*
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 INFEERENCE IN SOCIAL EPIDEMIOLOGY (S) – 5B**  Mt. Evans

**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 (CCS) – 5C**  Mt. Elbert A

**SESSION CHAIR:** Matthew Fox

Estimating the history of influenza incidence using cross sectional antibody tests

**Justin Lessler**
Estimating the effects of structural public health interventions on population HIV viral load using observational data

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

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

**Kathleen E. Wirth**

**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**  Grays Peak

**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

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
A Bayesian information-theoretic view of causal inference in observational epidemiology
Sander Greenland
Discussant – James Robins

**SOCIAL (CCS) – 6B**
**SESSION CHAIRS: Sandro Galea and Theresa Osypuk**

Examining the joint effects of everyday discrimination and low household autonomy on smoking during pregnancy and low birth weight among Romani women
Teresa Janevic
Exposure to neighborhood foreclosures and changes in cardiometabolic health: Results from the Multi-Ethnic Study of Atherosclerosis
Paul Christine
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
Impact of sustained economic hardship on cognitive functioning
Adina Zeki AL Hazzouri
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
Poverty and child development: A longitudinal study of the impact of the earned income tax credit
Rita Hamad

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Injection cocaine use as a risk factor for chronic renal impairment among hepatitis C and HIV co-infected patients receiving care
Carmine Rossi
Modern methods for analyzing behavior over time: Examples from the MACC community-based cohort
Darin Erickson
Medical Marijuana Laws and Annual Opioid Analgesic Sales in the United States
June H. Kim
The impact of illicit drug use on adherence to antiretroviral therapy (ART) among HIV-infected women in the United States
Yuehan Zhang
Incident non-medical use of prescription opioids is associated with heroin initiation among U.S. veterans: A prospective cohort study
Geetanjoli Banerjee

Chemical exposures and ischemic heart disease in the aluminum industry
Daniel Brown
The Interaction of Sugars Intake and HLA Genotype in Type 1 Diabetes Development: The Diabetes Autoimmunity Study in the Young
Molly M. Lamb
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
Association Between Dehydration and Short-term Risk of Myocardial Infarction and Stroke in Ischemic Heart Disease Patients
Joel N. Swerdel
County-level Disparities in Cardiovascular Disease Mortality in the United States in 2007-2011: Contributing Factors
Shivani A. Patel
Gestational diabetes and offspring obesity in childhood adolescence and early adulthood
Shanshan Li

Combined Exposures to Prenatal Pesticides and Folic Acid Intake in Relation to Autism Spectrum Disorders
Rebecca J. Schmidt
Birth outcomes and unconventional natural gas development in Pennsylvania USA 2009-2013
Joan A. Casey
Association of traffic-related air pollution and coronary artery calcium in the Framingham Heart Study
Kirsten S. Dorans
Organochlorine insecticides DDT and chlordane in relation to survival following breast cancer
Humberto Parada
Residential exposure to pesticide active ingredients and birth defects
Kristen M. Rappazzo
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
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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)

Professional Development Session (PD) – 8A
Session Chair: TBA

Excellence in Education Award Winner Professional Development Session (PD) – 8B
Session Chair: TBA

Professional Development Session (PD) – 8C
Session Chair: TBA

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