Colleagues:

It is a pleasure to welcome you to the 46th annual meeting of the Society for Epidemiologic Research (SER) being held in Boston. Boston is both one of America’s great cities and also home to an extraordinary density of health scholarship, making an SER meeting her apposite.

There is much that we hope will make this meeting interesting. In particular we are this year featuring more plenary sessions than we have in the past, giving us an opportunity to highlight some of the key themes that our discipline has been grappling with in recent years. We are honored to have Dr. Thomas R Frieden, Director of the Centers for Disease Control and Prevention open with a keynote address about “Ensuring relevance for epidemiology in a changing world”. Other plenary sessions, all featuring some of the leaders in the field, include “Training Epidemiologists: Looking into the Future”, “Beyond Cells to Society: From Exposome to Genome”, and “Causal Inference: Why Bother?”. Of course the heart of the SER annual meeting remains the symposia and submitted sessions. We have the usual wide range of these, featuring presentations from all the epidemiologic sub-disciplines.

The meeting comes at the end of a year where we have done much to strengthen SER. Looking ahead to SER’s 50th anniversary in 2017, this year’s SER executive committee has launched an ambitious agenda of new initiatives which we call collectively SER50. The SER50 agenda includes new efforts such as regular SERtalks across the country, an annual SERdigital conference, SERplaylists featuring expert selections and a renewed commitment of SER to engage its memberships in all aspects of SER functioning, including to reinvigorate membership, strengthen our educational engagement, and better communicate the science.

The goal of SER, as stated in Article II of our bylaws, remains “to foster epidemiologic research”. I think our annual meeting does much toward that end and hope that this meeting is no exception. We are looking forward to doing even better by this goal through our SER50 efforts, aiming for an even stronger and more robust organization—and discipline—in 2017.

I hope the 2013 meeting will be memorable. I look forward to meeting many of you during these few days.

Sandro Galea, MD, DrPH
SER President
2012-2013
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Executive Committee Officers

2012-2013

President
Sandro Galea
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President Elect
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2012—2013

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Past President
Stella Aslibekyan
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Secretary/Communications Chair
Elizabeth Widen
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Treasurer/Abstracts Committee Chair
Ahmed Kassem
New York University
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Nominations/Membership Committee Chair
Amelia Boehme
University of Alabama at Birmingham
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Program Committee Co-Chairs
Craig Meyer
University of Minnesota
craig.meyer@gmail.com

Ivy Shiue
University of Edinburgh
i.shiue@sms.ed.ac.uk

SER-SPC Mission
The mission of the SER-Student & Post-Doc Committee (SER-SPC) is to facilitate the educational experiences and professional development of students in epidemiology-related disciplines by providing information, resources, and networking opportunities; facilitating student exchange of research ideas; and providing service to the SER and advancing and promoting the SER-SPC.

Visit the SER exhibit table for more information.
The Executive Committee would like to thank all participants in the SER Committees.

**Awards Committee**

Chair: John Acquavella, Amgen, Inc.

The purpose of the Awards Committee is to solicit nominations for, and supervise the administration of SER awards. The Awards Committee is also charged with developing new awards for SER, in concert with the SER executive committee, to reflect particular areas that should be rewarded by SER members.

Board Representative: Julie Buring, Harvard Brigham and Womens
SER Administrative: Sue Bevan
SER-SPC Representative: Stella Aslibekyan (SPC Past President), Brown University

Committee Members:
Elizabeth Bertone-Johnson, University of Massachusetts
Rita V. Burke, Children's Hospital LA, Pediatric Surgery
Honglei Chen, NIEHS
Cara Frankenfeld, George Mason University
Elizabeth Grubert, University at Albany
Ann Hsing, Cancer Prevention Institute of California
Pamela Jo Johnson, Medica Research Institute / UMN
Jagjit S. Teji, University of Chicago

**Communications Committee**

Chair: Arijit Nandi, McGill University

The purpose of the communications committee is to coordinate and guide SER’s communications to its members and to the general public. The committee also helps ensure regular and ongoing communication between SER’s members and the organization. The committee has primary responsibility for SERnews, the SER newsletter, for SER’s communication via social media, and for other forms of communication generated by SER.

Board Representative: Stephen Cole, University of North Carolina, Chapel Hill
SER Administrative: Sue Bevan
SER-SPC Representatives: Rena Jones (SPC President), NCI
Abdulrahman El-Sayed (SPC President-Elect), Columbia University

Committee Members:
Sophia Allen, Walden University
Rennie Ferguson, Safe Kids Worldwide
Brianna Magnusson, Brigham Young University
Angela Malek, Medical University of South Carolina
Whitney Robinson, University of North Carolina
Christopher Ronk, ChemRisk LLC
Kathleen E Wirth, Harvard
Education and Professional Development Committee

**Chair:** Jay Kaufman, McGill University

The purpose of the Education and Professional Development Committee is to coordinate and guide SER's efforts on education aimed at trainees, junior, and mid-career epidemiologists. The committee will supervise and coordinate education events that occur during the year and during the annual meeting, including SERdigital (formerly eMAC), SERtalks, SERplaylists and the ESI Project. The committee may develop other areas in which SER can fulfill its mission for education.

**Board Representative:** Bernard Harlow, University of Minnesota

**SER Administrative:** Sue Bevan & Jacqueline Brakey

**SER-SPC Representatives:** Craig Meyer (SPC Program Chair), University of Minnesota

Ahmed Kassem (Abstract Committee Chair), New York University

**Committee Members:**

Reza Alaghehbandan, Memorial University of Newfoundland

Sheryl Magzamen, University of Oklahoma HSC

Hailey Banack, McGill University

Brandon Marshall, Brown

Dominic Cirillo, University of Iowa

Shiva Metghalchi, West Coast University

Summer Hawkins, Boston College

Shuji Ogino, Harvard Brigham and Womens

WayWay M. Hliang, University of Miami

Katherine Theall, Tulane University

Candice Johnson, CDC

Lina Titievsky, Pfizer

Vivian Colon Lopez, University of Puerto Rico

Xiaozhong Wen, SUNY at Buffalo

Jennifer Lund, Aarhus University

Membership/Nominations Committee

**Chair:** Irene Yen, University of California, San Francisco

The purpose of the Membership and Nominations Committee is twofold. First, the committee is charged with nurturing SER membership, including developing new approaches to fostering membership in SER and working with the executive committee on implementation of these efforts. Second, the committee is charged with identifying members who can be engaged in SER activities, both in SER’s committees and on the SER executive committee. The committee will help identify potential candidates for election to executive positions for consideration by the SER executive committee annually.

**Board Representative:** Maria Glymour, University of California, San Francisco

**SER-SPC Representative:** Amelia Boehme (SPC Membership/Nominations Chair), University of Alabama at Birmingham

**SER Administrative:** Jacqueline Brakey

**Committee Members:**

Jacques Baillargeon, University of Texas

Jeanine M. Buchanich, University of Pittsburgh

Jaimie Gradus, Boston University

Kiarri Nailha Kershaw, Northwestern University

Pam Factor-Litvak, Columbia University

Publications Committee

**Chair & Board Representative:** Past-President, Polly Marchbanks, CDC

The purpose of the Publications Committee is to work actively with the journal of the society, the American Journal of Epidemiology, to consider ways in which to optimize function of the society and of the journal for mutual benefit.

**SER-SPC Representative:** Elizabeth Widen (SPC Secretary), University of North Carolina

**SER Administrative:** Sue Bevan

**Committee Members:**

Daniel Westreich, Duke University

Linda Brown, RTI International

Jennifer Ahern, Berkeley
Keynote Address
Thomas R. Frieden, MD, MPH, Director, Centers for Disease Control and Prevention

“Ensuring Relevance for Epidemiology in a Changing World”

Thomas R. Frieden, MD, MPH, became Director of the Centers for Disease Control and Prevention (CDC) in June 2009. Dr. Frieden has worked to control both communicable and non-communicable diseases in the United States and around the world. From 1992-1996, he led New York City’s program that rapidly controlled tuberculosis, including reducing cases of multidrug-resistant tuberculosis by 80 percent. He then worked in India for five years where he assisted with national tuberculosis control efforts. The program in India has treated more than 10 million patients and has saved more than one million lives.

President’s Address
Sandro Galea, MD, MPH, DrPH, Columbia University

Dr. Galea is the Anna Cheskis Gelman and Murray Charles Gelman Professor and Chair of the Department of Epidemiology at the Columbia University Mailman School of Public Health. He is a physician and an epidemiologist. Dr. Galea is particularly interested in the social production of health of urban populations. His work explores innovative cells-to-society approaches to population health questions. He has long had a particular interest in the consequences of mass trauma and conflict worldwide, including as a result of the September 11 attacks, Hurricane Katrina, conflicts in sub-Saharan Africa, and the American wars in Iraq and Afghanistan.
Wednesday, June 19, 1:30 - 3:00 pm

Training Epidemiologists: Looking into the Future

Being ready for a career in epidemiology in 2013 is very different than it was even 5 years ago. How students should be prepared for this financially challenged world with increasingly more complex, interdisciplinary studies? How should different career paths be weighed? These issues will be addressed by the leaders of four Boston-area institutions that train epidemiologists.

Chair: Bernard Harlow, PhD
University of Minnesota

Panelists:

Sue Hankinson, ScD
University of Massachusetts, Amherst

Paul Jacques, DSc
Tufts University

Martha Werler, ScD
Boston University School of Public Health

Michelle Williams, ScD
Harvard School of Public Health
Plenary Sessions

Thursday, June 20, 8:00 - 9:40 am

Lilienfeld Student Prize Paper Winner Presentation

**Antidepressant Use and Risk for Preeclampsia among Women Enrolled in Medicaid**
Kristin Palmsten, ScD
Harvard School of Public Health

**Beyond Cells to Society: From Exposome to Genome**

**Thinking 'Above the Skin': How the Brave New World of Exposure Assessment will Shape Epidemiology in the Coming Decades**
Jim Anthony, PhD
Michigan State University

**Thinking 'Below the Skin': Emerging Biologic Science and its Implications for Epidemiology**
Daniele Fallin, PhD
Johns Hopkins School of Public Health
Causal Inference: Why Bother?

Causal inference has become a hot topic in epidemiology and biostatistics. In this symposium, speakers will discuss in accessible terms, the reasons they began using causal inference methods and their perceptions of the strengths and limitations of these approaches. This session will start an important dialogue to begin to bridge the divide between causal converts and skeptics.

**Chair:** Jennifer Ahern, PhD, MPH
University of California, Berkeley

**Panelists:**

Magdalena Cerdá, DrPH, MPH
Columbia University

Maria Glymour, ScD
University of California, San Francisco

Maya Peterson, MD, PhD
University of California, Berkeley
John Acquavella, PhD, Amgen's Center for Observational Research (CFOR)
Professional Development: Negotiating an Offer - Friday, June 21, 12:00 - 1:00 pm

Jennifer Ahern, PhD MPH, School of Public Health at the University of California, Berkeley
Plenary Session Chair: Causal Inference: Why bother? - Friday June 21, 8:00 - 9:30 am

Jim Anthony, PhD, MSc, Michigan State University
Plenary Session: Beyond Cells to Society: From Exposome to Genome - Thursday, June 20, 8:00 - 9:40 am

Maria Argos, PhD, Department of Health Studies at the University of Chicago
CCS Chair: Environmental Epidemiology: Interactions between Environmental and Genetic Factors - Thursday, 3:30 - 5:00 pm

Elizabeth Bertone-Johnson, ScD, Associate Professor of Epidemiology at the University of Massachusetts School of Public Health and Health Sciences, and Director of the UMass Center for Research and Education in Women’s Health
Symposium Chair: Vitamin D for Prevention of Cardiovascular Disease, Cancer and other Chronic Diseases - Wednesday, June 19, 3:30 - 5:00 pm
Plenary Session: Training Epidemiologists: Looking into the Future - Wednesday, 1:30 - 3:00 pm

Coleen Boyle, PhD, National Center on Birth Defects and Developmental Disabilities (NCBDDD), Centers for Disease Control and Prevention
CCS Chair: Emerging Issues in Birth Defects and Developmental Disorders - Thursday, June 20, 3:30 - 5:00 pm

Stephen Buka, ScD, Professor and Chair of the Department of Epidemiology at Brown University’s School of Public Health
Professional Development: Ask Me Anything - Friday, June 21, 12:00 - 1:00 pm

Magdalena Cerdá, DrPH MPH, Assistant Professor of Epidemiology at the Columbia University Mailman School of Public Health
Plenary Session: Causal Inference: Why Bother - Friday, June 21, 8:00 - 9:30 am

Sarah S. Cohen, PhD, received her degree in Cancer Epidemiology from the University of North Carolina at Chapel Hill
Symposium Chair: Racial Disparities in Cancer: From the Molecular to the Macro-environment - Wednesday, June 19, 3:30 - 5:00 pm

Stephen Cole, PhD, University of North Carolina at Chapel Hill
Symposium Chair: Surviving Competing Risks - Thursday, June 20, 10:00 - 11:30 am

Derek Cummings, PhD, MPH, Johns Hopkins Bloomberg, School of Public Health
CCS Chair: Estimating the Burden of Influenza - Thursday, June 20, 1:30 - 3:00 pm

Jessie Edwards, doctoral candidate at the University of North Carolina, Chapel Hill
Symposium Chair: Recording Nature’s Answers: Measurement Bias in Epidemiology - Friday, June 21, 10:00 - 11:30 am

Abdulrahman El-Sayed, DPhil, Department of Epidemiology, Mailman School of Public Health, Columbia University
Symposium Chair: Moving from Why to How - Thursday, June 20, 10:00 - 11:30 am

Pam Factor-Litvak, PhD, Department of Epidemiology, Mailman School of Public Health, Columbia University
CCS Chair: Prenatal Exposures and Outcomes over the Life Course - Wednesday, June 19, 10:00 - 11:30 am

Daniele Fallin, PhD, Johns Hopkins Bloomberg, School of Public Health
Plenary Session: Beyond Cells to Society: From Exposome to Genome - Thursday, June 20, 8:00 - 9:40 am

Sandro Galea, MD, MPH, DrPH, Columbia University
Plenary Session: President’s Message - Wednesday, June 19, 8:00 - 9:30 am
Professional Development: Ask Me Anything - Friday, June 21, 12:00 - 1:00 pm

Marlene Goldman, ScD, Dartmouth Medical School
ESI Session: Building a National Reputation - Wednesday, June 19, 12:00 - 1:00 pm

Jaimie Gradus, DSc, MPH, Women’s Health Sciences Div of the National Center for PTSD, and Boston University School of Medicine and School of Public Health
Symposium Co-Chair: Methodological Issues in Psychiatric Epidemiology - Wednesday, June 19, 3:30 - 5:00 pm

Stephen Gilman, ScD, Department of Epidemiology, Harvard School of Public Health
CCS Chair: Advances in Suicide Epidemiology: Macro, Micro, Method - Thursday, June 20, 1:30 - 3:00 pm

Maria Glymour, ScD, Department of Epidemiology & Biostatistics, University of California, San Francisco
Plenary Session: Causal Inference: Why Bother? - Friday, June 21, 8:00 - 9:30 am
Sue Hankinson, ScD, Department of Epidemiology, Harvard School of Public Health
Plenary Session: Training Epidemiologists: Looking into the Future - Wednesday, 1:30 - 3:00 pm
CCS Co-Chair: Cancer in Women - Thursday, June 20, 12:00 - 1:00 pm

Bernard Harlow, PhD, University of Minnesota
ESI Session: Building a National Reputation - Wednesday, June 19, 12:00 - 1:00 pm
Plenary Session: Training Epidemiologists: Looking into the Future - Wednesday, 1:30 - 3:00 pm

Patricia Hartge, ScD, National Cancer Institute
ESI Session: Building a National Reputation - Wednesday, June 19, 12:00 - 1:00 pm

Penelope Howards, PhD, Department of Epidemiology, Rollins School of Public Health, Emory University
Symposium Chair: Teaching Introductory Epidemiology: Necessary Simplifications vs. Perpetuating Myths - Friday, June 21, 10:00 - 11:30 am

Paul Jacques, DSc, Jean Mayer USDA, Human Nutrition Research Center on Aging, Tufts University
Plenary Session: Training Epidemiologists: Looking into the Future - Wednesday, 1:30 - 3:00 pm

Rena Jones, PhD, Postdoctoral Fellow, National Cancer Institute
CCS Chair: SERdigital (formerly eMAC) Award Winners - Wednesday, June 19, 10:00 am - 11:30 am

Jay S. Kaufman, PhD, Department of Epidemiology, Biostatistics and Occupational Health, McGill University
Symposium Chair: Beyond Intention-to-treat: A Deeper Understanding of Adherence-based Analyses - Friday, June 21, 10:00 - 11:30 am
Symposium Chair: Visionary Epidemiology [Sponsored by EPIDEMIOLOGY] - Wednesday, June 19, 3:30 - 5:00 pm

Katherine Keyes, PhD, MPH, Department of Epidemiology, Mailman School of Public Health, Columbia University
Symposium Chair: New Methods for an Old Epidemiologic Problem: Age, Period, and Cohorts Effects - Friday, June 21, 10:00 - 11:30 am
CCS Chair: Substance use across Time, Space, and Generation: Novel Directions and Implications for Prevention - Wednesday, June 19, 10:00 - 11:30 am

Lewis Kuller, MD, DrPH, Distinguished University Professor of Public Health Emeritus
Symposium Chair: What is the Role of Epidemiology in the Era of Molecular Biology and Genomics [Sponsored by the AJE] - Thursday, June 20, 10:00 - 11:30 am

Bryan Lau, PhD, Johns Hopkins School of Public Health
Symposium Chair: Surviving Competing Risks - Thursday, June 20, 10:00 - 11:30 am

Diane Lauderdale, PhD, Department of Health Studies at the University of Chicago
CCS Chair: Cardiovascular Epidemiology - Wednesday, June 19, 10:00 - 11:30 am

Katherine Laughon, MD, Division of Epidemiology, Statistics and Prevention Research at the Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health
Symposium Chair: Innovative Design and Analysis Issues in Fetal Growth Studies - Wednesday, June 19, 3:30 - 5:00 pm

Germaine Buck Louis, PhD, Division of Epidemiology, Statistics and Prevention Research at the Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health
Chair/Moderator: Negotiating an Offer - Friday, June 21, 12:00 - 1:00 pm

Alyssa J. Mansfield, PhD, MPH, National Center for PTSD within the Department of Veterans Affairs
Symposium Chair: Methodological Issues in Psychiatric Epidemiology - Wednesday, June 19, 3:30 - 5:00 pm

JoAnn Manson, MD, MPH, DrPH, Division of Preventive Medicine, Brigham and Women’s Hospital; Women’s Health, Harvard Medical School; and Department of Epidemiology, Harvard School of Public Health
Symposium Chair: Vitamin D for Prevention of Cardiovascular Disease, Cancer and other Chronic Diseases - Wednesday, June 19, 3:30 - 5:00 pm
CCS Chair: Cancer in Women - Thursday, June 20, 1:30 - 3:00 pm
Professional Development: Negotiating an Offer - Friday, June 21, 12:00 - 1:00 pm

Polly Marchbanks, PhD, Division of Reproductive Health, Centers for Disease Control and Prevention
CCS Chair: Latebreaker Session - Thursday, June 20, 3:30 - 5:00 pm

Claire Margerison-Zilko, PhD, School of Social Work and the Population Research Center, University of Texas at Austin
Symposium Chair: Innovations in Neighborhood Research: Where Do We Go from Here? - Wednesday, June 19, 3:30 - 5:00 pm

Lynne C. Messer, PhD, MPH, School of Community Health, College of Urban and Public Affairs at Portland State University
CCS Chair: Psychosocial Status across the Reproductive Life Cycle - Thursday, June 20, 1:30 - 3:00 pm
Arijit Nandi, PhD, Department of Epidemiology, Biostatistics, and Occupational Health, McGill University
CCS Chair: On the Analysis of Mediation in Social Epidemiology - Thursday, June 20, 1:30 - 3:00 pm

Polly Newcomb, PhD, Division of Public Health Sciences, Fred Hutchinson Cancer Research Center
Symposium Chair: Old Studies, New Questions - Friday, June 21, 10:00 - 11:30 am

Andrew Olshan, PhD, Gillings School of Global Public Health, University of North Carolina at Chapel Hill
ESI Session: Building a National Reputation - Wednesday, June 19, 12:00 - 1:00 pm
Professional Development: Negotiating an Offer - Friday, June 21, 12:00 - 1:00 pm

Kristin Palmsten, ScD, Harvard School of Public Health
Plenary Session: Lilienfeld Student Prize Paper Winner Presentation - Thursday, June 20, 8:00 - 9:40 am

Maya Peterson, MD, PhD, Biostatistics and Epidemiology, University of California at Berkeley
Plenary Session: Causal Inference: Why Bother? - Friday, June 21, 8:00 - 9:30 am

Robert Platt, PhD, Departments of Epidemiology, Biostatistics, and Occupational Health and of Pediatrics at McGill University
CCS Chair: Methods in Perinatal Epidemiology - Wednesday, June 19, 10:00 - 11:30 am

Beate Ritz, MD, PhD, Department of Epidemiology at the UCLA School of Public Health
Professional Development: Ask Me Anything - Friday, June 21, 12:00 - 1:00 pm

Whitney R. Robinson, PhD, MSPH, Gillings School of Global Public Health, University of North Carolina at Chapel Hill
CCS Chair: Obesity Research: Causal Questions, Novel Methods - Thursday, June 20, 1:30 - 3:00 pm
Symposium Chair: New Methods for an Old Epidemiologic Problem: Age, Period, and Cohorts Effects - Friday, June 21, 10:00 - 11:30 am

Lisa Signorella, ScD, Department of Epidemiology, Harvard School of Public Health
Symposium Chair: Racial Disparities in Cancer: From the Molecula to the Macro-environment - Wednesday, June 19, 3:30 - 5:00 pm

Ezra Susser, MD, DrPH, Mailman School of Public Health at Columbia University, and New York State Psychiatric Institute
Symposium Chair: Health of Indigenous Peoples: A Global Health Disparity [Sponsored by the IEA] - Thursday, June 20, 10:00 - 11:30 am

Eric Tchetgen Tchetgen, PhD, Department of Epidemiology, Harvard School of Public Health
CCS Chair: Contributions to Causal inference - Thursday, June 20, 3:30 - 5:00 pm

Mary Beth Terry, PhD, Columbia’s Mailman School of Public Health at Columbia University
CCS Chair: Toward a Definite, Coherent Heterogeneity - Thursday, June 20, 3:30 - 5:00 pm

Kate Tilling, PhD, Department of Social Medicine, University of Bristol
Symposium Chair: Statistical Methods in Lifecourse Epidemiology - Thursday, June 20, 10:00 - 11:30 am

John Vena, PhD, Department of Epidemiology and Biostatistics, University of Georgia
CCS Chair: Occupation - Wednesday, June 19, 10:00 - 11:30 am

Noel Weiss, DrPH, Fred Hutchinson Cancer Research Center, University of Washington
Professional Development: Mentoring across the Lifecourse - Friday, June 21, 12:00 - 1:00 pm

Martha Werler, DSc, MPH, Slope Epidemiology Center at Boston University
Plenary Session: Training Epidemiologists: Looking into the Future - Wednesday, June 19, 1:30 - 3:00 pm

Allen Wilcox, MD, PhD, Reproductive Epidemiology Group, National Institute of Environmental Health Sciences
Symposium Chair: Visionary Epidemiology [Sponsored by EPIDEMIOLOGY] - Wednesday, June 19, 3:30 - 5:00 pm

Michelle A. Williams, ScD, Department of Epidemiology at the Harvard School of Public Health
Plenary Session: Training Epidemiologists: Looking into the Future - Wednesday, June 19, 1:30 - 3:00 pm
Professional Development: Mentoring across the Lifecourse - Friday, June 21, 12:00 - 1:00 pm

Lauren Wise, ScD, Slope Epidemiology Center, Boston University School of Public Health
CCS Chair: Female Infertility: Causes & Consequences - Thursday, June 20, 3:30 - 5:00 pm
What’s New at SER

The inaugural SERtalks was held this past April in North Carolina. Special thank you to Andy Olshan and the University of North Carolina at Chapel Hill for graciously hosting. Join us in San Francisco on Wednesday, September 18th with Dr. Noel Weiss. Co-hosted by UC San Francisco and UC Berkeley.

Check the website for updated details at http://www.epiresearch.org/talks/

SERplaylists are key reading lists around topics selected by epidemiology experts. Playlists will be released to the SER membership every November, January, February, May and July

Currently there are three playlists available to view on the SER website (see below). The first playlist is open access. All additional playlists added to the website will require SER member login. Current, logged-in members should see all available playlists.

1. Steve Cole’s "Introduction to marginal structural models", also titled "Rabbit hole 1" playlist, to be read in the order listed on the website with an ample dose of caffeine while listening to Neutral Milk Hotel’s "In the Aeroplane over the Sea".

2. Richard MacLehose’s "Introduction to Bayesian Methods". The first three readings give a general introduction to Bayesian inference. The last three are some (of many) examples of where Bayesian inference can be particularly useful.

3. Ichiro Kawachi’s "Income Inequality & Health - Parts I and II". Is growing income inequality a threat to population health? Richard Wilkinson posed that question in 1992, spawning a debate that has continued to this day.

Find SERplaylists at http://www.epiresearch.org/playlists/  
*Do you have a playlist you would like to share? Contact membership@epiresearch.org for more details.*

Join our social network!

https://twitter.com/societyforepi

www.facebook.com/epiresearch

www.linkedin.com/groups/Society-Epidemiologic-Research-SER-4435205
The SER Student and Post-Doc committee invites you to attend a number of events specially designed with the trainee in mind. These include breakfast panels with methodological experts in the field, guided poster tours to sharpen your own post presentations, round tables about hot topics in the field, and a panel discussion about life as a Post-Doc or Junior faculty. All events are free, but some require tickets—so don’t forget to ask at the registration desk. See you there!

**Breakfast with the Experts**

Free with tickets, available first come/first served at the registration desk from 5:00 PM, June 18th.

Join us for informal round-table discussions with the top methodology experts.

**Wednesday, June 19, 7:00 – 7:50 am:**

- Tyler VanderWeele
  Harvard University
- David Savitz
  Brown University
- Yvette Cozier
  Boston University
- Lisa Signorello
  Harvard University

**Thursday, June 20, 7:00 - 7:50 am**

- Murray Mittleman
  Harvard University
- Kenneth Rothman
  Boston University
- Maria Glymour
  Harvard/UCSF
- Lauren Wise
  Boston University

**Guided Poster Tours—Wednesday, June 19, 5:30pm- 6:30 PM**

Free with tickets, available first come/first served at the registration desk from 5:00 PM, June 18th. What makes a poster effective? Is the classic blue background/ yellow font combination the way to go? Should a poster have a reference section? Using actual SER posters as examples, our guides will lead discussions on what makes poster presentations persuasive, eye-catching, and enjoyable.

- Whitney Robinson
  University of North Carolina
- Tim Lash
  Emory University
- Greg Wellenius
  Brown University
- Stephen Alder
  University of Utah
Roundtables

Free with tickets, available first come/first served at the registration desk from 5:00 PM, June 18th. These sessions include a discussion leader, ten lucky ticket holders, and a topic of mutual interest. Participants spend one hour in conversation with an expert getting to know colleagues’ views of timely, scientific, ethical, professional, and (especially) controversial topics. These sessions are limited to ten (10) participants plus one discussion leader per table. Tickets will be available starting Tuesday, June 18th at 5:00 pm at the Conference Registration desk.

Wednesday, June 19, 12:00 - 1:00 pm:

Ann Aschengrau
Boston University
“Strengths and Weaknesses of GIS Exposure Assessment in Environmental Epidemiology”

Julie Palmer
Boston University
“Understanding Obesity: The Contribution of Psychosocial Stress”

Chanelle Howe
Brown University
“Methodological Challenges in Racial / Ethnic Disparities Research”

Nancy Krieger
Harvard University
“Epidemiologic Theories of Disease Distribution, Social Justice, Rigorous Science, and the People’s Health”

Thursday, June 20, 12:00 - 1:00 pm

Louise Brinton
National Cancer Institute
“Opportunities and Challenges for Researching Non-communicable Diseases in Low-resource Countries”

Ichiro Kawachi
Harvard University
“Publishing from an Editor’s Perspective”

Miguel Hernán
Harvard University
“Instrumental Variables and Other Dangerous Things”

Daniel Westreich
UNC Chapel Hill
“Exposures, Interventions, and Causal Inference”

Lives of Postdocs and Junior Faculty—Thursday, June 20, 12:00 - 1:00 PM

Join our panel of postdocs and early-career investigators for a candid question-and-answer session on how to land your dream fellowship and then a faculty position, balance work and life, work in industry, and many other aspects of life on the "other side" of the PhD degree. Grab your lunch and come join us for what’s sure to be another informative (and entertaining) session.

Rohit Ojha
Assistant Faculty
St. Jude’s Children’s Research Hospital

Jessica Jones-Smith
Assistant Professor
Johns Hopkins University

Beth Widen
Postdoctoral Fellow
Columbia University

Rena Jones
Postdoctoral Fellow
National Cancer Institute
Noontime Sessions

Wednesday, June 19, 12:00-1:00 pm

—ESI (Early Stage Investigators) —

Building a National Reputation

During the first half of the session each panel member will briefly address the group. The latter half of the session will be open forum for discussion with SER attendees and panel members. The session will close with an opportunity for participants to react to future ESI topics.

ESI Panelists:
Bernard Harlow, University of Minnesota
Marlene Goldman, Dartmouth Medical School
Trisha Hartge, NIH
Andrew Olshan, UNC Chapel Hill

—Roundtables—
Ann Aschengrau, Boston University
“Strengths and Weaknesses of GIS Exposure Assessment in Environmental Epidemiology”
Chanelle Howe, Brown
“Methodological Challenges in Racial/Ethnic Disparities Research”
Nancy Krieger, Harvard University
“Epidemiologic Theories of Disease Distribution, Social Justice, Rigorous Science, and the People’s Health”
Julie Palmer, Boston University
“Understanding Obesity: The Contribution of Psychosocial Stress”

Thursday, June 20, 12:00-1:00 pm

—MEET-THE-EDITORS—Sponsored by the American Journal of Epidemiology (AJE)—

This will be an informal discussion between a variety of journal editors and SER attendees. Have you ever had questions for journal editors but never had the opportunity to ask? This is your chance! Many avenues of conversation are possible, so come with your questions; and we will see where the discussion takes us.

—Lives of Postdocs and Junior Faculty—
Chair: Abdul El-Sayed, Columbia University

Panelists:
Jessica Jones-Smith, Johns Hopkins University
Rena Jones, National Cancer Institute
Rohit Ojha, St. Jude’s Children’s Research Hospital
Beth Widen, Columbia University

—Roundtables—
Louise Brinton, National Cancer Institute
“Opportunities and Challenges for Researching Non-communicable Diseases in Low-resource Countries”
Miguel Hernán, Harvard
“Instrumental Variables and Other Dangerous Things”
Ichiro Kawachi, Harvard
“Publishing from an Editor’s Perspective”
Daniel Westreich, UNC Chapel Hill
“Exposures, Interventions, and Causal Inference”
**General Information**

**Assistance for Participants**
The staff of the Society for Epidemiologic Research is available to provide assistance or information at any time during the meeting. Questions should be directed to staff members who can be found at the registration desk located on the Mezzanine Level.

**Registration**
The registration desk is located on the Mezzanine Level and will be open the following times:

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Tuesday, June 18</td>
<td>4:00 pm—8:00 pm</td>
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<tr>
<td>Wednesday, June 19</td>
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<td>Thursday, June 20</td>
<td>7:00 am—5:30 pm</td>
</tr>
<tr>
<td>Friday, June 21</td>
<td>7:30 am—1:00 pm</td>
</tr>
</tbody>
</table>

**Identification Badges**
Please wear your SER identification badge to all meetings and functions. This is the most convenient way to identify one another and aids in the ease for conference organizers to assist you.

**Message Board**
A message board is located in the Mezzanine Level Foyer. You may use the message board to communicate with other meeting attendees.

**Job Market**
SER members are encouraged to use the Online Job Board at the SER website under Related Links. Employers may post job openings on the bulletin board located near the registration desk. Be sure to include your email address or local contact information if you want to set up meetings with job seekers during the conference. Employers may also post openings on the SER website in Related Links.

**Information for Oral Presenters**
Please plan on being in the meeting room 15-20 minutes before the start of your session. Each meeting room will be equipped with a screen, an LCD projector and a microphone. A room monitor will be available in the meeting room if you require assistance. A laptop computer is available if presenters need to check their presentations. You may ask at the registration desk.

**Assistance for Hotel Guests with Special Needs/ADA**
The Boston Park Plaza Hotel and Towers meets or exceeds all requirements for the Americans with Disabilities Act. Hotel facilities including, but not limited to, meeting space, restrooms, dining areas, common areas and sufficient guest rooms are reasonably accessible and usable by persons with special needs.

**SER Membership Information**
Please see SER’s exhibit table on the Mezzanine Level to learn more about becoming a member.

**Alumni Receptions**
Wednesday evening, June 19, has been set aside for receptions for faculty, alumni, and students from various universities. Check the message board for announcements from your university. A partial list of receptions is on page 36.
Posters will be the primary venue for presentations of the annual meeting’s highest quality research findings and methods.

Posters will be hung the night before each session and will be on display for approximately 24 hours. A panel of judges will select the three best posters from each session. Plus, each poster session will have one outstanding student prize. All poster winners will be acknowledged at the Friday plenary session (8:00-9:30 am).

**Poster Session 1** (Section A - Georgian Room; Section B - Statler Room)
Tuesday, June 18 - 7:00 - 8:30 pm (posters must be displayed from 6:30 - 9:00 pm in order to qualify for the poster judging)
Set up: after 5 pm on Tuesday
Takedown: by 11 am on Wednesday
Wednesday, June 19, 10:00 - 10:30 am (morning break)

**Poster Session 2** (Section A - Georgian Room; Section B - Statler Room)
Wednesday, June 19 - 5:00 - 6:30 pm (posters must be displayed from 6:30 - 9:00 pm in order to qualify for the poster judging)
Set up: after 3:00 pm on Wednesday
Takedown: by 11 am on Thursday
Thursday, June 20, 10:00 - 10:30 am (morning break)

**Poster Session 3** (Section A - Georgian Room; Section B - Statler Room)
Thursday, June 20 - 5:00 - 6:30 pm (posters must be displayed from 6:30 - 9:00 pm in order to qualify for the poster judging)
Set up: after 3:00 pm on Thursday
Take down: by noon, Friday
Friday, June 21, 10:00 - 10:30 am (morning break)

**Future Meeting Dates and Locations**

June 24 - 27, 2014—Seattle, Washington

June 16 - 19, 2015—Denver, Colorado

June 21 - 24, 2016—Miami, Florida (Congress of Epidemiology)

June 20 - 23, 2017—Seattle, Washington
# Poster Categories and Locations

## Tuesday, June 18, 2013, 7:00 - 8:30 pm

<table>
<thead>
<tr>
<th>Poster Session 1A</th>
<th>Georgian Room</th>
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<td>Aging</td>
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<td>Behavioral</td>
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<tr>
<td>015 - 029-S</td>
<td>Cancer</td>
<td>148-S - 161-S</td>
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<td>030-S - 050-S</td>
<td>Obesity</td>
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<tr>
<td>051-S - 059-S</td>
<td>Injury</td>
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</tr>
<tr>
<td>060 - 075-S</td>
<td>Methods</td>
<td>189-S - 196-S</td>
<td>Pediatrics</td>
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<tr>
<td>077-S - 096-S</td>
<td>Perinatal/Reproductive</td>
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<tr>
<td>097 - 117 - S</td>
<td>Psychiatric</td>
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<tr>
<td>118 - 130-S</td>
<td>Social</td>
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## Wednesday, June 19, 2013, 5:00 - 6:30 pm

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<thead>
<tr>
<th>Poster Session 2A</th>
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<th>Poster Session 2B</th>
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</tr>
</thead>
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<td>356-S - 369-S</td>
<td>Aging</td>
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<td>244-S - 258-S</td>
<td>Environmental</td>
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<td>Diabetes</td>
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<td>259 - 271-S</td>
<td>HIV</td>
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<td>Genetics</td>
</tr>
<tr>
<td>272-S - 277</td>
<td>NeuroEpidemiology</td>
<td>396-S - 412-S</td>
<td>Methods</td>
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<tr>
<td>278-S - 285</td>
<td>Nutrition</td>
<td>413 - 424-S</td>
<td>Pediatrics</td>
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<tr>
<td>286-S - 297</td>
<td>Obesity</td>
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<tr>
<td>298-S - 304</td>
<td>Occupational</td>
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<tr>
<td>305-S - 320-S</td>
<td>Perinatal/Reproductive</td>
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<tr>
<td>321 - 327-S</td>
<td>Screening</td>
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<td>328 - 338</td>
<td>Social</td>
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<tr>
<td>339-S - 355-S</td>
<td>Women's Health</td>
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</table>

## Thursday, June 20, 2013, 5:00 - 6:30 pm

<table>
<thead>
<tr>
<th>Poster Session 3A</th>
<th>Georgian Room</th>
<th>Poster Session 3B</th>
<th>Statler Room</th>
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<tbody>
<tr>
<td>486 - 502</td>
<td>Cancer</td>
<td>619 - 635</td>
<td>Environmental</td>
</tr>
<tr>
<td>503-S - 518-S</td>
<td>Cardiovascular</td>
<td>636 - 637</td>
<td>History</td>
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<tr>
<td>519 - 533</td>
<td>Infection</td>
<td>638-S - 653</td>
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</tr>
<tr>
<td>534 - 550-S</td>
<td>Methods</td>
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<tr>
<td>551 - 570-S</td>
<td>Nutrition</td>
<td>662 - 671-S</td>
<td>Men's Health</td>
</tr>
<tr>
<td>571-S - 596-S</td>
<td>Perinatal/Reproductive</td>
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<tr>
<td>597 - 603</td>
<td>Respiratory</td>
<td>672 - 676</td>
<td>Renal</td>
</tr>
<tr>
<td>604 - 618</td>
<td>Social</td>
<td>677-S - 688</td>
<td>Substance Use</td>
</tr>
</tbody>
</table>
Please visit the exhibits located in the foyer on the Mezzanine Level.

University of Alaska Anchorage - IEA World Congress of Epi 2014
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Madison, WI 53726
karutlin@wisc.edu
Representative Name: Alex Binder

JOIN US!
SER Member Annual Business Meeting
Thursday, 6:00—7:00 pm — Arlington Room
ALL MEMBERS WELCOME!
Congratulations to our 2013 graduates!

The faculty and staff of the Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina, Chapel Hill, would like to extend hearty congratulations and best wishes for the future to our 2013 graduating masters and doctoral students.

Our students have the opportunity to obtain exceptional training in epidemiologic methods and practice across a range of topic areas in domestic and global settings. Students enjoy the collaborative and supportive departmental environment in a top-ranked school of public health (Our School was ranked top public school of public health by U.S. News & World Report in 2011 (2012 edition) and placed second overall).

Chat with us here at SER and visit our homepage (http://www.sph.unc.edu/epid/)
CUNY SCHOOL OF PUBLIC HEALTH

Earn a Doctor of Public Health Degree in Epidemiology at the Nation’s Largest Urban Public University

The CUNY School of Public Health (CUNY SPH) invites applicants interested in earning a Doctor of Public Health (DPH) degree specializing in Epidemiology. This track trains students to work as senior epidemiologists in research, teaching and public health leadership positions. Graduates of the EPI track will serve as epidemiologists in academia, industry, research institutes, and domestic and international government agencies. In addition to the EPI Track, the CUNY DPH program offers the following specializations: Community, Society and Health; Environmental and Occupational Health; and Health Policy and Management. Qualified applicants in any track may also apply to an optional concentration in Public Health Nutrition.

The City University of New York (CUNY) is the nation’s largest urban public university. The CUNY SPH is accredited by the Council on Education for Public Health and integrates DPH, MPH, MS, and BS programs at four consortium schools. The school seeks new ways to prevent and control health problems in urban populations while training practitioners to implement these solutions in New York City and other urban centers.

212-817-7986 publichealth@gc.cuny.edu
www.cuny.edu/sph

The City University of New York
Advancing health equity  |  Creating healthier cities  |  Preventing chronic disease  |  Promoting healthy aging
Perinatal Epidemiology Fellowship
NICHDI SUPPORTED T-32 TRAINING PROGRAM

Program Director:
Nigel Paneth, MD, MPH
University Distinguished Professor
Epidemiology & Biostatistics
Pediatrics & Human Development
218 West Fee Hall
East Lansing, MI 48824
paneth@msu.edu

Associate Director:
James Pivarnik, PhD
Professor
Physiology & Kinesiology
Epidemiology & Biostatistics
27 Intramural Sports Circle
East Lansing, MI 48824
jimpiv@msu.edu

ACTIVE RECRUITMENT FOR 2014-2015
Join our two- to three-year training program in epidemiological approaches to conducting and leading research in human health phenomena occurring in the perinatal period—from mid-pregnancy until infancy. Build your research career with the expert guidance of our training faculty who have a history of NIH-funded research in obstetric, perinatal and child health.

Post-doc & Pre-doc Funding: Support includes health, tuition, supplies, travel and annual stipend depending on status. (Pre-doc: $22,032; Post-doc: $39,264 - $54,160 depending on years post terminal degree.)

Application: Open to U.S. citizens / permanent residents. Applications from clinicians in obstetrics and pediatrics are encouraged. Send letter of interest and CV to Dr. Paneth (paneth@msu.edu) before September 1, 2013.

Pre-doctoral students must be enrolled in the doctoral program in the Department of Epidemiology & Biostatistics at MSU

http://www.epi.msu.edu/perinatal/

MICHIGAN STATE UNIVERSITY

ANNOUNCING

3rd ANNUAL SERdigital (formerly eMAC)
Student Novel Methods Web Conference
Wednesday, November 6, 2013
12:00-2:30 pm EST

The theme for this online meeting is Application of Novel Epidemiologic Methods in Student Research.

The web conference will begin with a plenary session feature two notable epidemiologists in a live debate. The plenary session will be followed by live presentations by the 3 top ranked abstracts from those that are submitted.

KEY DATES:
=> Online abstract submission goes live—August 1, 2013
=> Abstract submission deadline—September 4, 2013
=> Notification of acceptance/rejection—October 1, 2013

Abstracts can be submitted under one of the following themes:

Study Design
Communication of Results
Measurement
Statistical Methods
SER would like to thank Boston University School of Public Health and Harvard School of Public Health for their generous support by sponsoring the Welcome Reception on Tuesday night.
Detailed Conference Program
Quarterly workshops held across the United States featuring an expert on topics of interest. SERtalks will be held in January, April, September and November of each year.

Dr. Noel Weiss
University of Washington
School of Public Health

Dr. Weiss’ research is primarily in the area of cancer epidemiology. Part of his time is devoted to the study of epidemiologic methods and of the application of these methods to the understanding of the determinants of the outcome of illness.

September 18, 2013
“Enhancing our ability to measure the impact of health-related interventions”

Co-hosted by:
University of California, San Francisco
University of California, Berkeley

http://www.epiresearch.org/talks
8:30am – 12:30pm  **Pre-Conference Workshops** (registration required)
- Analyzing social contact networks for modeling infectious disease transmission
- Introduction to Directed Acyclic Graphs
- An Introduction to R for Epidemiologists using RStudio

1:00 – 5:00 pm  **Pre-Conference Workshops** (registration required)
- Interaction Analysis
- Introduction to Systematic Review and Meta-Analysis
- SAS® Macros to Streamline your Analysis
- Scientific Manuscript Writing for Peer Review Journals: Communicating Results of Studies

4:00 – 8:00 pm  Registration  Mezzanine

7:00 – 9:00 pm  **Welcome Reception**  Mezzanine

7:00 – 8:30 pm  **Poster Session 1 and Reception**  **Poster Session 1A**  Georgian

**AGING**

001-S  *Self-Reported Diabetes and Mortality in a Prospective Chinese Elderly Cohort Study in Hong Kong*
Chen Shen

002-S  *Alcohol Use and Death from Respiratory Diseases: A Prospective Chinese Elderly Cohort Study*
Chen Shen

003-S  *The Trajectory of Cognitive Function and the Associated Social and Physical Determinants in the Elderly of Taiwan*
Ting-Yu Chen

004-S  *Impact of Caregiving Transitions on Perceived Stress in 990 Older Women in the Caregiver Study of Osteoporotic Fractures (CG-SOF)*
Jennifer Lyons

005-S  *Inflammatory Biomarkers and Global Cognition: The Ginkgo Evaluation of Memory (GEM) Study*
Monisha Sharma

006  *Progression of Mobility Limitations in Old Age: The Combined Effect of Mobility-Related Fatigue and Socio-Economic Position*
Charlotte Nilsson

007  *Life Space and Cognitive Decline: Independent of Mobility and Physical, Social, and Cognitive Activity?*
Bryan James

008-S  *Reduced Heart Rate Variability is Associated with Worse Cognitive Function in Elderly Mexican Americans*
Adina Zeki Al Hazzouri

009-S  *Cardiovascular Risk Score, Cognitive Decline and Dementia in Older Mexican Americans: The Role of Gender and Education*
Adina Zeki Al Hazzouri

010-S  *Longitudinal and Reciprocal Relationships between Depression and Disability in Older Women Caregivers and Non-Caregivers: Results from Caregiver-SOF*
Kathy Bacon

011  *Haloperidol in Elderly Users: Not a Cause of Death, but Caused by Impending Death?*
Hendrika Luijendijk

012-S  *Association of Alzheimer Related Genotypes with Cognitive Decline in Three City-Dijon Study*
Alexandre Vivot

013-S  *Do Behavioral Factors Prevent Functional Disability among Cognitively Impaired Adults? An Inverse Probability Weighted Analysis*
Pamela Rist

014-S  *Stressful Experiences, Social Support, and Gene-Social Environment Interaction in Cognitive Function: Findings from the Wisconsin Registry for Alzheimer’s Prevention (WRAP)*
Megan Zuelsdorff

Designations: “S” (work completed while the presenter was a student), “L” (Latebreaker), “E” (eMAC winners)
Poster Session 1A

CANCER

015 Factors Associated with Parental Acceptability of Human Papilloma Virus Vaccination in Southern India
Purnima Madhivanan

016 Adult Stature and Risk of Cancer at Different Anatomic Sites in a Cohort of Postmenopausal Women
Geoffrey Kabat

017-S Incidence Patterns and Trends of Gonadal and Extragonadal Germ Cell Tumors in Germany, 1998-2008
Carsten Rusner

018-S Lifetime Body Size and Prostate Cancer Risk in a Population-Based Case-Control Study in Sweden
Elisabeth Moller

019-S Acrylamide Hemoglobin Adducts Levels and Ovarian Cancer Risk in the Nurses’ Health Study
Jing Xie

020-S Gastrointestinal Stromal Tumors: Linking Single Nucleotide Polymorphisms and Somatic Mutations
Katie O’Brien

021 Anatomic Subsite of Primary Colorectal Cancer and Subsequent Risk and Distribution of Second Cancers
Amanda Phipps

022 Increasing Incidence of Thyroid Cancer in Minhang District, Shanghai, in 2002-2010
Hong Fang

023-S Incidence of Primary Central Nervous System Lymphoma from 1992 through 2007: A Surveillance, Epidemiology, and End Results Analysis
Caroline Park

024-S The Healthy Eating Index-2005 and Risk of Pancreatic Cancer in the NIH-AARP Diet and Health Study
Hannah Arem

Edgar P. Simard

026 A Study of Thyroid Cancer Incidence in Close Proximity to Six Nuclear Power Facilities in the State of New York: A Descriptive Analysis
Thomas O’Grady

027 Cancer Risks in Children with Congenital Malformations in the Nervous System
Yuelian Sun

028-S Adolescent Carotenoid Intake in Relation to Benign Breast Disease
Caroline E. Boeke

029-S Plasma Adiponectin and Soluble Leptin Receptor and Risk of Colorectal Cancer: A Prospective Study
Mingyang Song

OBESITY

030-S Mode of Delivery and Adiposity: Hong Kong’s “Children of 1997” Birth Cohort
Shi Lin Lin

031-S Pharmacologic Sex Hormones in Early Pregnancy and Offspring Obesity
Elizabeth Jensen

032-S Relationship between Breastfeeding Duration and Waist-height Ratio in Adulthood
Adam Bohr

033-S Meta-Analysis of the Association between Body Mass Index and Health-Related Quality of Life among Adults, Assessed by the SF-36
Zia Ul Haq

034-S Association between Body Mass Index and Mental Health among Scottish Adult Population: A Cross-sectional Study of 37,272 Participants
Zia Ul Haq

035 High Risk of Hyperlipidemia and Obesity as a Predictor in Rural Chinese Adults: Baseline Data from the Yuhuan Rural Health Cohort Study
Chaowei Fu

036 Fatty Liver’s Association with Adiposity Indicators among US Adults
Henry Kahn

037-S Prenatal Socioeconomic Index in Relation to Adulthood Fat Mass and Fat Distribution
Golareh Agha

038-S The Impact of Body Size and Physical Activity during Adolescence and Adult Life on Overall and Cause-Specific Mortality in a Large Cohort from a Middle-Income Country
Arash Etemadi

Designations: “S” (work completed while the presenter was a student), “L” (Latebreaker), “E” (eMAC winners)
039-S Gender Differences in Association between Skin-Fold Thickness and C-Reactive Protein
Abhishek Vishnu

040 The Relationship between Sleep Apnea and General and Central Obesity: Findings from a Sample of Chilean College Students Aged 18 to 35 Years Old
Adaeze Wosu

041-S Convenience Stores as a Risk Factor for Obesity among Smokers
Masayoshi Oka

042 Perceived Racism and Obesity Incidence in African American Women
Yvette Cozier

043-S Residential Neighborhood, Geographic Work Environment, and Work Economic Sector: Associations with Body Fat Measured by Bio-Electrical Impedance in the RECORD Study
Antoine Lewin

44 The Effect of Unemployment on BMI and Waist to Hip Circumference: Evidence from the Survey of the Health of Wisconsin
Lynne Morgan

045-S Diet Quality and Risk of Obesity among Young African American Women
Deborah Boggs

046 Can Birth Weight Explain Differences in the Association of Infant Growth with Subsequent Fat Free Mass between Populations?
L.L. Hui

047 Infant Growth and Adolescent Adiposity — Evidence from the Hong Kong “Children of 1997” Birth Cohort
L.L. Hui

048-S A Genetic IV Analysis to Assess the Effect of Body Mass Index on Depression in the Health and Retirement Study
Stefan Walter

049 Relation of Endogenous Testosterone Levels with Cardiometabolic Risk Factors in the Registry of Hypogonadism in Men (RHYME)
Julia Martha

050-S The Causal Effect of Obesity on Anxiety: Genetic IV Analyses in the HRS Study
Iván Mejía-Guevara

INJURY
051-S Association between Psychological Distress and Unintentional Non-Occupational Injuries among U.S. Adults
Christina Greene

052 Effects of Minimum Legal Drinking Age on Alcohol and Marijuana Use: Evidence from Toxicological Testing Data for Fatally Injured Drivers Aged 16 to 25 Years
Guohua Li

053-S Time Trends in the Prevalence of Alcohol and Drugs in Fatally Injured Drivers, 1999-2010
Joanne Brady

054-S Prevention of Scuba Diving Mishaps by using a Pre-Dive Checklist: A Grouped Randomized Trial
Shabbar Ranapurwala

055 Potential Bias in Assigning Crash Responsibility Using Moving Violations
Allison Curry

056-S Risk Factors of Fall-Related Injuries and the Interaction of Bone Mineral Density (BMD) and Health Behaviors
Dohee Lim

057 Physical Health Consequences of Being Injured during the World Trade Center Terrorist Attacks on September 11, 2001
Robert Brackbill

058-S The Role of Sex and Symptom Severity in Sports-Related Concussion: A Survival Analysis
Jennifer Reneker

059-S Home Environment-Related Factors Associated with the Family-Dog Biting a Child Living in the Same Home
Locksley L. McV. Messam

METHODS
060 Conditional and Unconditional Infectiousness Effects in Vaccine Trials: The Relation and Estimation
Yasutaka Chiba

061 Applying System Dynamics Modeling to Epidemiological Research: An Example of PSA Screening
Anton Palma
062  Causal Inference in Epidemiology using Bayesian Methods: The Example of Meta-analysis of Statins and Fracture Risk
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063  Neighborhood Contributions to Racial/Ethnic Obesity Disparities among New York City Adults
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064  Multiple Imputation Analysis of Nested Case-Control and Case-Cohort Studies
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065  Improvement of 1:M Matching Using an Adaptive Algorithm: Proof of Concept
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066  A New Indicator of Influenza Incidence Based on Viral and Influenza-Like Illness Surveillance Data
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067  Using Restriction to Control Unmeasured Confounding in Pharmacoepidemiology
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068-S  Identifying Implausible Trajectories in Longitudinal Data
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069-S  Using Bootstrap Methods for Confidence Interval Estimation in Epidemiologic Research
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070  Proportional and Non-Proportional Subdistribution Hazards Regression using SAS
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071-S  Mendelian Randomization in Health Research: Using Appropriate Genetic Variants and Avoiding Biased Estimates
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072  Formalizing the Role of Complex Systems Approaches in Causal Inference and Epidemiology
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073-S  Reporting of Instrumental Variable Analyses in Comparative Effectiveness Research
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074  Do You Believe in Ghost Populations? Presentation and Illustration of a Simple Adjustment Factor for Inverse-Probability Weighting
Michelle Odden

075-S  Choosing between Instrumental Variable Analyses and Conventional Analyses: The Role of Sample Size
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PERINATAL - REPRODUCTIVE

076  Withdrawn

077-S  Recurrence of Gestational Hypertensive Disorders and Impact on Newborn Outcomes
Nansi Boghossian

078  Folic Acid Fortification of Corn Masa Flour and Neural Tube Defect Prevention
Sarah Tinker

079  Age at Menarche and its Relationship to Body Mass Index among Adolescent Girls in Kuwait
Abdullah Al-Taia

080  Comparison of Prospective and Retrospective Measurements of Frequency of Sexual Intercourse
Larissa Brunner Huber

081-S  Maternal Obese, Vitamin D Status and Risk of Preeclampsia
Shu Qin Wei

082-S  Maternal Vitamin D Receptor Gene Polymorphisms, Vitamin D Status in Pregnancy and Preterm Birth Risk
Shu Qin Wei

083-S  Seasonal Variation of Total 25-Hydroxyvitamin-D in a Pooled Sample of Black and White Pregnant Women from Three US Pregnancy Cohorts
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084  Sleep Disorders and Diabetes in Pregnant and Non-Pregnant Women of Childbearing Age
Xu Xiong

085  Sleep Disorders and Hypertension in Pregnant and Non-Pregnant Women of Childbearing Age
Xu Xiong

086-S  Pre-pregnancy Body Mass Index, Gestational Weight Gain and Depression among Pregnant Hispanic Women
Marushka L. Silveira

087  Cold Temperature during Pregnancy and Birth Outcomes in Uppsala, Sweden, 1915 to 1929
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088  Neonatal Health of Infants Born to Mothers with Asthma
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089  Associations of Diet and Physical Activity with the 3 Components of Gestational Weight Gain
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090-S  Fathers Matter: The Role of Paternal Age in Infant Mortality
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092-S  Body Mass Index and Physical Activity Are Not Associated with Sperm Morphology, Motility and Concentration in Adult Son’s in the Child Health and Development Studies
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093  BORN Information System Reporting for Ontario Healthcare Organizations
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094  Exposure to Environmental Chemicals during Pregnancy and Fetal Markers of Metabolic Dysfunction
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095-S  Comparability of Maternal Risk Factors between Mothers with Geocoded and Ungeocoded Addresses
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096-S  The Association between Parity and Birthweight in a Longitudinal Consecutive Pregnancy Cohort
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097  Maternal Exposure to Childhood Abuse is Associated with Elevated Risk of Autism
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098  Psychological Distress in the National Health Interview Survey (NHIS) and Medicare Hospitalizations
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099-S  Exposure to Traumatic Events and Changes in Depression Severity in an Urban Area
Melissa Tracy

100-S  Do Traumatic Events Mediate or Modify the Relation between Neighborhood Conditions and Depression Severity?
Melissa Tracy

101  Childhood Adversity, Adult Stressful Life Events and Depression: Guangzhou Biobank Cohort Study
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102-S  Temporal Associations between Rheumatoid Arthritis Disease Activity and the Onset of Patient-Reported Depression
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103  Mood Disorders, Anxiety and Migraine Headaches: Results from the Brazilian Longitudinal Study of Adult Health (ELSA-Brasil)
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104  Psychosocial Outcomes in OEF/OIF Veterans with PTSD: Initial Findings from the VALOR Registry
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105-S  The Association between Lifetime Potentially Traumatic Events and Formal and Informal Care in a Population Based Sample of Adults from Liberia
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106-S  Chronic Medical Conditions and Serious Psychological Distress during Pregnancy in the United States
Ahmed M. Kassem

107-S  Improving Quality of Life among HIV-infected Adults: The Importance of Addressing Depression.
Angela Bengtson

108  Association between Developmental Timing of Exposure to Child Maltreatment and Symptoms of Depression and Suicidality: Evidence of a Sensitive Period?
Erin Dunn

109  PTSD, Depression, and Suicidality in a Sample of US Soldiers
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111-S  Racial/Ethnic Differences in the Relation between Severe Childhood Adverse Events and Adolescent Mental Health Disorders
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112-S  Posttraumatic Stress Disorder Symptoms and Food Addiction in Women, by Timing and Type of Trauma Exposure
Susan Mason
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| 117-S | Marijuana Abuse and Dependence and Cognitive Decline from Childhood to Midlife  
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| **SOCIAL** | Decomposing Social Capital Inequalities in Health  
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| 118 | Social and Geographical Inequalities in Suicide in Japan from 1975 through 2005: A Census-Based Longitudinal Analysis  
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| 119 | Stressful Social Relations and Mortality. Is the Effect Modified by Socio-Economic Status and Gender?  
Rikke Lund |
| 120-S | Composition and Context in the Association between Area-Level Socioeconomic Status and Cancer Incidence and Mortality  
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| 121 | Work Conditions and Oral Health: J-SHINE (Japanese Study of Stratification, Health, Income, and Neighborhood) Study  
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| 122 | Work Conditions and Health Behaviors: J-SHINE (Japanese study of Stratification, Health, Income, and Neighborhood) Study  
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| 123-S | Perceived Neighborhood Cohesion (NC) and Education: Individual and Combined Effects on Daily Smoking and Heavier Drinking in Hong Kong Chinese  
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| 127-S | Neighborhood Self-Selection: The Role of Pre-Move Health Status on the Post-Move Socioeconomic Environment  
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| 128 | Racial Discrimination and Prescription Drug Problems: Examining Associations among Urban Aboriginal Adults  
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| 129-S | Literacy as Mediator of the Relationship between Education and Mortality  
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| 130-S | The Relationship between Social Fragmentation and Sleep among Adolescents Living in Boston, Massachusetts  
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| 681 | Recovery Research on the Drug Use Disorders: Who Starts and Then Quits Early?  
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Clarice Weinberg |
| L01 | Dietary Flavonoid Intake and Risk of Barrett’s Esophagus  
Jessica Petrick |
| L02 | Migraine as a Risk Factor for Breast Cancer: Is there Etiologic Heterogeneity?  
Min Shi |
| L03 | Risk of Cardiac Events in Older Men Receiving Testosterone Replacement Therapy  
Jacques Bailleulgeon |
| L07 |  
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Lin Xu

155 Model Selection for Pediatric Coronary Diameter Curves in Japan by Relative Goodness of Fit
Naoko Sakamoto

156 Subclinical Atherosclerosis and Psoriasis
Paulo Lotufo

157 Anxiety and Anger and Mortality among Early Survivors of Acute Myocardial Infarction
Katherine Wrenn

158-S Stroke after Antipsychotic use and the Causal Pathway to Death in Older Adults
John W. Jackson

159-S Prognosis after Ischemic Heart Disease according to Body Size: A Cohort Study
Christina C. Dahm

160-S Nursing Educational Interventions in Outpatients with Heart Failure
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161-S Hypertensive Disorders in Pregnancy and Risk of Myocardial Infarction and Stroke
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ENVIRONMENTAL

162 Weight-of-Evidence Evaluation of the Cardiovascular Effects of Ozone Exposure
Heather Lynch

163 Short-term Effect of Dust Storms on the Risk of Mortality Due to Respiratory, Cardiovascular and All-Causes in Kuwait
Abdullah Al-Taiar

Kyla Taylor

165 Neighborhood Self-Selection: The Role of Pre-Move Health Status on the Post-Move Built Environment
Peter James

166-S Is The Association between Air Pollutants and Birth Weight Consistent with Using Different Buffer Sizes?
Keita Ebisu

167-S Acute Air Pollutant Exposure and Blood Pressure at Labor/Delivery Admission
Tuija Männistö

168-S Association between Vapor Intrusion and Human Exposure to Trichloroethylene
Natalie Archer

169-S Fluoride Exposure in Drinking Water and Childhood and Adolescent Osteosarcoma in Texas
Natalie Archer

170-S Comparison of Exposure Estimation Methods for Air Pollutants: Ambient Monitoring Data and Regional Air Quality Simulation
Mercedes Bravo

171 Osteosarcoma and Low-Level Radium Exposure in Drinking Water - A Case Control Analysis
Jessie Gleason

172-S Preconception Air Pollution Exposures Increase the Risk of Gestational Diabetes Mellitus
Candace Robledo

173-S The Effect of Urinary Bisphenol A on Short-term Repeated Measurements of Androgen Hormones and Insulin Resistance: Ewha Birth & Growth Cohort study
Hye Ah Lee

174 Variation in Observed Epidemiologic Associations Due to Choice of Exposure Metric
Krista Christensen

175-S Individual and Neighborhood Socioeconomic Status, Long Term Exposure to Air Pollution and Risk of Cardiovascular Disease
Gloria C Chi

HIV

Jennifer Perego

177 Seasonal Variation in Bacterial Vaginosis
Mark Klebanoff

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**PEDIATRICS**

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**LATEBREAKERS**

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Alumni Receptions

Boston University School of Public Health
EPI Alumni Reception
Brownstone - 111 Dartmouth Street
Wednesday, June 19th
7:00 – 8:00 pm

Columbia University
Mailman School of Public Health
Department of Epidemiology
Annual Columbia Alumni and Friends Reception
Boston Park Plaza Hotel & Towers
Presidential Suite (15th Floor)
Wednesday, June 19th
7:00 – 8:30 pm

Harvard School of Public Health
Department of Epidemiology
Boston Park Plaza Hotel & Towers
Beacon Hill Room (4th Floor)
Wednesday, June 19th
7:00 – 9:00 pm

The Johns Hopkins Bloomberg School of Public Health
Department of Epidemiology and
The Alumni Relations Office
Boston Park Plaza Hotel & Towers
Whittier Room (4th Floor)
Wednesday, June 19th
7:00 pm

University of North Carolina
Alumni, Faculty and Student Reception
Via Matta
Thursday, June 20th
7:00 – 9:00 pm

University of Utah, Division of Public Health
Utah Alumni, Faculty and Student Reception
Meet in the hotel lobby
Thursday, June 20th
7:30 pm

Check message board for more information about these and other receptions.
Wednesday, June 19

7:00 – 5:30 pm  
Registration  
Mezzanine

7:00 – 8:00 am  
Continental Breakfast  
Mezzanine

7:00 – 7:50 am  
Breakfast with the Experts (complimentary tickets required – available at registration desk)  
See ticket

- Tyler VanderWeele, Harvard University
- David Savitz, Brown University
- Yvette Cozier, Boston University
- Lisa Signorello, Harvard University

8:00 – 9:30 am  
Plenary 1  
Imperial

Session Chair: Sandro Galea

Keynote Address:
Ensuring Relevance for Epidemiology in a Changing World
Dr. Thomas Frieden

SER President’s Address
Dr. Sandro Galea

9:30 – 10:00 am  
Morning Break  
Mezzanine

10:00 – 11:30 am  
Concurrent Contributed Sessions 1 (CCS)  
Plaza

CARDIOVASCULAR EPIDEMIOLOGY

SESSION CHAIR: Diane Lauderdale

197-S  
Association between Betel Quid Chewing and Change in Carotid Intima-Media Thickness in Rural Bangladesh
Tyler R. McClintock

198-S  
Genetic and Peripheral Biomarkers for Amyloid Deposition in the Brain
Timothy Hughes

199  
Impact of Differential Misclassification on the Association of Metabolic Syndrome with a Trial Fibrillation Risk: The ARIC Study
Alvaro Alonso

200-S  
Testosterone and Cardiovascular Risk Factors in Men, a Mendelian Randomization Analysis in the Guangzhou Biobank Cohort Study
Jie Zhao

201-S  
Public Smoking Legislation and Hospitalizations for Ischemic Heart Disease in Atlantic Canada, 1996-2010: Mixed-Effects Modeling of Multilevel Population Health Interventions
Robert Hawes

METHODS IN PERINATAL EPIDEMIOLOGY  

SESSION CHAIR: Robert Platt

205-S  
Sensitivity Analysis in Pregnancy Outcomes Research
Kristin Palmsten

202  
Methods Used to Evaluate Potential Biases in Vaccine Pregnancy Safety Studies Using Electronic Health Data
Gabriela Vazquez-Benitez

204  
Overcoming Obstacles to Probabilistic Bias Analysis Applied to Large Datasets
Timothy Lash

203  
Low-Income Neighborhoods and Very Preterm Birth: An Application of Case-Control-Weighted Targeted Maximum Likelihood Estimation
Michelle Pearl

206-S  
Acknowledging and Satisfying the Positivity Assumption in Case-Control Studies
Alan Kinlaw

Designations: “S” (work completed while the presenter was a student), “L” (Latebreaker), “E” (eMAC winners)
### Pre-Menopausal Occupational Physical Demand Protects against Hip Fractures

**Aimee Palumbo**

209-S

### Using Multiple Data Sources to Enumerate Work-Related Amputations in Massachusetts

**Kathleen Grattan**

210-S

### Longitudinal Targeted-Maximum Likelihood Estimation (TMLE) of the Effect of Occupational Exposure to PM2.5 on the Incidence of Ischemic Heart Disease

**Daniel Brown**

207-S

### Occupational Prestige and Inflammation in Postmenopausal Women

**Jolene Lee Masters Pedersen**

211-S

### Prostate Cancer and Occupational Exposure to Whole-Body Vibration in a National Population-Based Cohort Study

**Marcella Jones**

208-S

### Prenatal Exposure to Diethylstilbestrol and Reproductive Hormones in Premenopausal Women

**Lauren Wise**

212-Presenters

### Prenatal Exposure to Diethylstilbestrol and Obesity in Middle-Aged Women

**Elizabeth Hatch**

213-Presenters

### Impact on Maternal and Child Serum Levels of Perfluoroalkyl Acids of in Utero and Lactational Transfer

**Tony Fletcher**

214-Presenters

### Maternal Serum Perfluoroalkyl Substances and Maternal and Neonatal Thyroid Function

**Yan Wang**

215-S

### Maternal Medication and Herbal Use and Risk for Hypospadias: Data from the National Birth Defects Prevention Study, 1997-2007

**Sarah Tinker**

216-Presenters

### Crowd-Sourced Mapping of Sexualized Violence in Syria

**Jackie Blachman-Forshay**

E01-S

### The Role of Heavy Precipitation Events in Waterborne Disease Outbreaks in the United States

**Sumiko Mekaru**

E02-S

### Marginal Structural Models for Continuous Exposures in the Longitudinal Setting: An Application to Reproductive Epidemiology

**Katherine Ahrens**

E03-S

### Trends and Demographic Patterns in Non-Medical use of Prescription Pioids, 2002-2010

**Sam Harper**

217-Presenters

### The Impact of Tobacco Control Policies on Disparities in Maternal Smoking during Pregnancy

**Summer Sherburne Hawkins**

218-Presenters

### Neighborhood Alcohol Outlets and the Association with Violent Crime in One Mid-Atlantic City: The Implications for Zoning Policy

**Jacky Jennings**

219-Presenters

### Influence of Grandparent Schooling on Adult Health Status, Smoking, and Obesity

**Felice Le**

220-S

11:30 am – 1:30 pm  **Lunch (on your own)**
Wednesday Afternoon

12:00 – 1:00 pm  **EARLY STAGE INVESTIGATORS: BUILDING A NATIONAL REPUTATION**  
**SESSION CHAIR:** Bernard Harlow, University of Minnesota  
**Panelists:**  
- Marlene Goldman, Dartmouth Medical School  
- Patricia Hartge, NIH  
- Andrew Olshan, UNC Chapel Hill

12:00 – 1:00 pm  **Roundtables** (complimentary tickets required – available at registration)  
**See ticket**

1:30 – 3:00 pm  **PLENARY 2: TRAINING EPIDEMIOLOGISTS: LOOKING TO THE FUTURE**  
**Panelists:**  
- Michelle Williams, Harvard School of Public Health  
- Martha Werler, Boston University School of Public Health  
- Paul Jacques, Tufts University  
- Elizabeth Bertone-Johnson, University of Massachusetts, Amherst

3:00 – 3:30 pm  **Afternoon Break**  
**Mezzanine**

3:30 – 5:00 pm  **Symposia 1**

**221**  
**INNOVATIONS IN NEIGHBORHOOD RESEARCH: WHERE DO WE GO FROM HERE?**  
**SESSION CHAIR:** Claire Margerison-Zilko

**Defining “Neighborhood”: Exploring Units of Analysis and Contributions of Workplace Neighborhood to Cardiovascular Risk**  
Patricia O’Campo

**Navigating Structural Confounding/Social Stratification in Neighborhood Research**  
Jennifer Ahern

**Interactions between Individual- and Neighborhood-Level Socioeconomic Status in Explaining Racial/Ethnic Disparities in Depressive Symptoms during Pregnancy**  
Catherine Cubbin

**Beyond the Cross-Sectional: Taking into Account Residential Mobility and Neighborhood Change in Neighborhood Research**  
Claire Margerison-Zilko

**Discussant:**  
Irene Yen

**222**  
**INNOVATIVE DESIGN AND ANALYSIS ISSUES IN FETAL GROWTH STUDIES**  
**SESSION CHAIR:** Katherine Laughon

**Study Design and Clinical Implications of the NICHD Fetal Growth Study**  
S. Katherine Laughon

**Modeling Longitudinal Fetal Growth: The Development of a New Novel Approach with a Comparison with Existing Approaches**  
Robert Platt

**Aspects of the Design and Analysis of the INTERGROWTH-21st Project to Develop Global Fetal Growth Reference Centiles**  
Eric Ohuma
Linear Mixed Models for Reference Curve Estimation and Prediction of Poor Pregnancy Outcomes from Longitudinal Ultrasound Data: Robustness to the Random Effects Assumption
Paul S. Albert

Discussant:
Una Grewal

METHODOLOGICAL ISSUES IN PSYCHIATRIC EPIDEMIOLOGY

223
SESSION CHAIR: Alyssa Mansfield and Jaimie Gradus
Clarendon
Challenges in Psychiatric Epidemiology: A Primer for All Epidemiologists
Alyssa Mansfield
Early Life Stress and Adult Psychiatric Disorders: Assessing Causation in a Sea of Correlation
Katherine Keyes
Conceptual versus Categorical Misclassification: Sexual Victimization and Suicide as a Motivating Example
Jaimie Gradus
Epidemiologic Approaches to Validating the Diagnostic Criteria and the Bereavement Controversy in the Diagnosis of Major Depression
Stephen Gilman
Primary vs. Tertiary Prevention for Posttraumatic Stress Disorder: Insights from Simulation Approaches
Magdalena Cerda

Discussant:
Sandro Galea

RACIAL DISPARITIES IN CANCER: FROM THE MOLECULAR TO THE MACRO-ENVIRONMENT

224
SESSION CHAIR: Sarah Cohen and Lisa Signorello
Berkeley
Introduction
Lisa Signorello
Tumor Molecular Heterogeneity and Breast Cancer Disparities
Melissa Troester
Overcoming Disparities in Lymphoma Outcomes: From Social Support to Novel Therapeutics
Christopher Flowers
Accounting for Context: Social and Built Environment and Disparities in Cancer Risk and Outcomes
Scarlett Lin Gomez

VISIONARY EPIDEMIOLOGY (SPONSORED BY EPIDEMIOLOGY)

225
SESSION CHAIR: Jay Kaufman and Allen Wilcox
Imperial
Intro and Preliminary Presentation of the Issues
Jay Kaufman and Allen Wilcox
Pictures at an Exhibition: Sixteen Visual Conversations about One Thing
Howard Wainer
The Visual Display of Information: The Art of Numbers
Alyssa Goodman

VITAMIN D FOR PREVENTION OF CARDIOVASCULAR DISEASE, CANCER AND OTHER CHRONIC DISEASES: STATE OF THE SCIENCE VS. CURRENT RECOMMENDATIONS

226
SESSION CHAIR: Elizabeth Bertone-Johnson
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Introduction
Elizabeth Bertone-Johnson
Vitamin D and Cardiovascular Disease
JoAnn Manson
Vitamin D and Cancer
Edward Giovannucci
Vitamin D and Bone Health
Clifford Rosen
### Poster Session 2A

**Poster Session 2 and Reception**

**POSTER SESSION 2A**

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<td>Immune-related Conditions and Subsequent Risk of Brain Cancer in a Cohort of Male United States Veterans</td>
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302  Combat Experiences and Multiple Deployments Are Risk Factors for Motor Vehicle Crashes  
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303  A Systematic Review and Meta-Analysis of Refinery Workers and Risk of Mesothelioma  
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313-S  Prepregnancy Low-Carbohydrate Diet Scores and the Risk of Gestational Diabetes Mellitus: A Prospective Cohort Study  
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315-S  Acetaminophen Use during Pregnancy and the Risk of Behavioral Problems and Hyperkinetic Disorders in Danish Children  
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316-S  Maternal Psychosocial Stress and Risk of Adverse Birth Outcomes in a Hispanic Population of Predominantly Puerto Rican Women  
    Kathleen Szegda
317  Familial Clustering of Postpartum Hemorrhage in the Swedish Population  
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318-S  Sleep Disorders and Race/Ethnicity in Pregnant and Non-Pregnant Women of Childbearing Age  
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319  Interaction between Maternal Passive Smoking during Pregnancy and CYP1A1 and GSTT1 Polymorphisms on Full Term Low Birth Weight  
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320-S  Perturbations in Testosterone are Associated with Sporadic Anovulation in Normally Menstruating Women  
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322-S  Challenges to Creating a Nationwide Surveillance System for Chronic Kidney Disease  
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324  The Tuberculosis Incidence among Immigrants in Denmark from 1992-2011 - Is it Time to Screen?  
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Validating the Family Harmony Scale in Hong Kong Chinese: Jockey Club FAMILY Project
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Neighborhood Social Processes and Older Adults' Sleep
Jen-Hao Chen

Perceived Discrimination and Health: Results from the Survey of the Health of Wisconsin (SHOW)
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Suicidal Behavior by Burns among Women: The Silent Scream of Women in Iran
Reza Alaghehbandan

Pubic Hair Removal and Vulvodynia
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Development, Progression, and Remission of Lower Urinary Tract Symptoms across Racial/Ethnic Groups: A Population-Based Prospective Study
Nancy Maserejian

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Quaker Harmon

Use of Tanning Beds, Sun Exposure and the Incidence of Endometriosis
Marina Kvaskoff

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Latitude and Ultraviolet Radiation Dose in Birthplace in Relation to Menarcheal Age in a Large Cohort of French Women
Marina Kvaskoff

Age at Natural Menopause in Relation to All-Cause and Cause-Specific Mortality in a Follow-Up Study of U.S. Black Women
Se Li

Childbearing Factors in Relation to All-Cause and Cause-Specific Mortality in a Follow-Up Study of U.S. Black Women
Se Li

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Access to Primary Care Provider and Adherence to Mammography Screening
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Yasser Sabr

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Carrie Nobles

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Lauren A Wise

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Obstructive Sleep Apnea as a Risk Factor for Silent Cerebral Infarction
Eo Rin Cho

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Sabrina Hermosilla

Treatment Decision-Making in Veterans with Early Stage Prostate Cancer
Soe Soe Thwin

The Relationship between Widowhood and Physical and Mental Health: Results from a Nationally Representative Sample of Older Adults
Anusha Vable

Obesity and Life Expectancy among Long Lived Black Adults
Pramil Singh

Memory Functioning and 2-Year Mortality Risk: Comparing Conventional and Genetic Instrumental Variable Estimates
Jessica Daniel

Educational Differences in Late Life Cognition Trajectories: Role of Smoking and Physical Activity
Elizabeth Grubert

Use of Emergency Medical Services Electronic Records to Monitor Health-Related Events such as Falls in Skilled Nursing Facilities in North Carolina
Catherine Donovan

Cytomegalovirus Infection and Risk of AD in Older African Americans and Caucasians
Lisa Barnes

Increased Late-Life Morbidity Index among Overweight and Obese Men May Be Fully Mediated by Midlife Levels of Serum Cholesterol Components
Uri Goldbourt

Health-Related Quality of Life in Older Adults with Depression
Jennifer Reneker

Hippocampal Changes and Subsequent Depressive Symptoms in a Community-Based Sample of Older Adults
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366-S  Objectively Measured Lifespace: The LIFEmeter Study
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367  Body Composition in Relation to Hip Bone Loss among Racially/Ethnically Diverse Middle-Aged Men
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368  Body Composition in Relation to Bone Microarchitecture among Racially/Ethnically Diverse Middle-Aged and Older Men
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369-S  Causal Pathways to Mortality among Elderly Patients Treated with Antipsychotic Medications: A Systematic Review
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371-S  Effects of Taiwan Style Fructose-Rich Beverages Consumption on Insulin Resistance in Adolescents
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372-S  Adolescent Testosterone, Muscle Mass and Glucose Metabolism: Evidence from “Children of 1997” in Hong Kong
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373-S  Effects of Fructose Sweetened Beverages Intake on Retinol Binding Protein 4 among Adolescents
Meng-Hsueh Chen

374  Cancer Incidence in Cohort of 36379 type 2 Diabetics in Minhang District. Shanghai
Huilin Xu

375  Risk of Birth Defects Associated with Maternal Pregestational Diabetes: A Population-Based Cohort Study in Northern Italy
Marco Vinceti

376  Does the Female Fetus Affect Insulin Resistance in the Mother?
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377-S  The Association between Psychological Problems and the Risk of Diabetes in Children Aged 9
Su Hyun Park

378-S  Age at Menarche, Leg Length, and Type 2 Diabetes in Brazilian Adults: Findings from the Brazilian Longitudinal Study of Adult Health (ELSA-Brasil)
Noel Mueller

379  Very Low and Low Birth Weight Are Associated with Higher Risk of Type 2 Diabetes in U.S. Black Women
Edward Ruiz-Narvaez

380  Evaluation of Pharmacological Management for Type-2 Diabetes Post-Myocardial infarction
Daniela Moga

381-S  Association between Serum 25-Hydroxyvitamin D Level and Insulin Resistance in an Elderly Korean Population
Bo Mi Song

382  Perinatal Oxidative Stress Affects Fetal Ghrelin Levels
Zhong-Cheng Luo

383  All-Cause, Cardiovascular, and Cancer Mortality in Postmenopausal White, Black, Hispanic, and Asian Women with and without Diabetes in the U.S.: The Women’s Health Initiative 1993-2009
Yunsheng Ma

384-S  The Microclinic Health Program: A Social Network-Based Intervention for Weight Loss and Diabetes Risk Management
Marta Prescott

385  Self-Rated Health and All-Cause Mortality among Middle Aged and Older Adults with and without Diabetes, National Health Interview Survey, 1997-2006
Keri Norris

386-S  Perceptions of Diabetes Management: Do Patients and Physicians Agree?
Roberta Figueiredo

387-S  Gender and Racial/Ethnic Differences in the Associations of Urinary Phthalate Metabolites with Diabetes Biomarkers: NHANES 2001-2008
Tianyi Huang

Designations: “S” (work completed while the presenter was a student), “L” (Latebreaker), “E” (eMAC winners)
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<td>A Genome-Wide Association Study of Cognitive Decline Shows Two Independent Signals in the APOE/TOMM40 Region</td>
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<td><strong>Genome-Wide Association, Candidate Gene, and Pathway Analysis Studies of Placental Abruption</strong></td>
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<td>Ian Marpuri</td>
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<td>Bari Kilcoyne</td>
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<td>Juliet Rumball-Smith</td>
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<td>Extended Causal Diagrams Integrating Response Types and Observed Variables</td>
<td>Etsuji Suzuki</td>
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<td>The Case Test-Negative Design for Vaccine Effectiveness against Hospitalization</td>
<td>Ivo Foppa</td>
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<td>Hideo Yamazaki</td>
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<td>Cumulative Distribution Functions as a Simple Method to Define Lost to Follow-Up (LTFU) Cut-Offs among Patients Initiated on Antiretroviral Therapy (ART) in Zomba, Malawi</td>
<td>Beth Rachlis</td>
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<td>Considerations in Pooling Biomarker Calibration Information</td>
<td>Neil Perkins</td>
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<td>Multiply Robust Estimation of Effects in Case Control Studies in the Presence of Selection Bias</td>
<td>Maral DerSarkissian</td>
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<td>Non-Differential Misclassification in Aggregated Measures of Neighborhood Context</td>
<td>Stephen Mooney</td>
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<td>A Novel Network Graph Approach for the Analysis and Visualisation of Epidemiological Data</td>
<td>Gemma Sharp</td>
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<td>Controlling for the Healthy Worker Survivor Bias with G-Estimation of Accelerated Failure Time Models Using a Series of Exposure Cutoffs: A Move toward Quantitative Exposure</td>
<td>Sally Picciotto</td>
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<td>Competing Risk versus Kaplan-Meier Analysis for Estimating Loss to Follow-Up in HIV Programs</td>
<td>Chloe A. Teasdale</td>
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<td>Quantitative Verification of Instrumental Variables Assumption Using Balance Measures</td>
<td>Rolf H.H. Groenwold</td>
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<td>A Simulation Study of Relative Efficiency and Bias in the Nested Case-Control Study Design</td>
<td>Stephen Bertke</td>
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<td>Bias Associated with Systematic Error in a Binary Dependent Regression Variable</td>
<td>Gary Fraser</td>
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Poster Session 2B

411 Response Rate and Time to Response for Patient Reported Outcomes Collected Using a Centralized System in Two American College of Radiology Imaging Network Cancer Screening Trials
Ilana Gareen

412-S Influence of CYP2A6 *4 Genotypes on Serum Cotinine among Non-Smoking Chinese Pregnant Women: Implication for Secondhand Smoke Measurement
Chuanbo Xie

PEDIATRICS

413 Teen Pregnancy in the United States Is Higher When the Nativity of the Mother Is Inside the U.S.
Jagjit Singh Teji

414-S General and Abdominal Overweight/Obesity Increases the Risk of Physician-Diagnosed Asthma in Norwegian Adolescents: The Young-HUNT Study
Kathryn B. Egan

415-S Marker of Bone Formation and Oral Inflammation in Children
Khady Ka

416-S Changes in Rates of Pharmacotherapy for Children with Familial Hypercholesterolemia between 2004 and 2010
Nina Joyce

417 The Prevalence of Hypospadias in Denmark
Jan Wohlfahrt

418-S Does Informal Child Care Affect Adolescent Psychosocial Health? Evidence from Hong Kong’s “Children of 1997” Birth Cohort
Cherry Y Leung

419-S Perceived Weight, Not Body Mass Index: A Strong Predictor of Suicide Risk among U.S. Adolescents
Dana Mowls

Heejoo Jo

421 Withdrawn

422-S Differentiating Infectious from Ischemic Causes of Necrotizing Enterocolitis among Premature Infants
Anayeli Herrera Morales

423-S Do Preschool Wheeze Phenotypes Predict Allergic Disease Outcomes in Adolescence? 15 Year Follow-Up of the Canadian Childhood Asthma Primary Prevention Study
Meghan B. Azad

424-S Disparities of Breastfeeding Patterns between Black and White Women in North America. Results from the AHS-2
Sozina Katuli

5:30 – 6:30 pm Guided Poster Tours (complimentary tickets available at registration)

Tour Guides:
- Stephen Alder
- Tim Lash
- Whitney Robinson
- Greg Wellenius

7:00 pm onward Alumni Receptions (Partial list of receptions listed on page 36. Check message board for specific information.)
Designations: “S” (work completed while the presenter was a student), “L” (Latebreaker), “E” (eMAC winners)
Thursday, June 20

7:00 – 5:30 pm  
Registration  
Mezzanine

7:00 – 8:00 am  
Continental Breakfast  
Mezzanine

7:00 – 7:50 am  
Breakfast with the Experts (complimentary tickets required)  
Experts:  
- Murray Mittleman, Harvard University  
- Kenneth Rothman, Boston University  
- Maria Glymour, University of California, San Francisco  
- Lauren Wise, Boston University  
See ticket

8:00 – 9:40 am  
Plenary 3  
Session Chair: Sandro Galea  
Imperial

Lilienfeld Student Prize Winner Presentation  
Antidepressant Use and Risk for Preeclampsia among Women Enrolled in Medicaid  
Kristin Palmsten

Beyond Cells to Society: From Exposome to Genome:  
Thinking 'Above the Skin': How the Brave New World of Exposure Assessment Will Shape Epidemiology in the Coming Decades  
Jim Anthony

Thinking 'Below the Skin': Emerging Biologic Science and its Implications for Epidemiology  
Daniele Fallin

New Directions in SER  
Sandro Galea, SER President

9:40 – 10:00 am  
Morning Break  
Meetanine

10:00 – 11:30 am  
Symposia 2  

425  
Health of Indigenous Peoples: A Global Health Disparity  
(Sponsored by the International Epidemiology Association)  
Session Chair: Ezra Susser  
Terrace

Carlos EA Coimbra, Jr  
Sandra Eades  
Sally H Smith

Discussant  
Patricia Buffler

426  
Moving from Why to How: Dealing with the Practical Challenges of Adopting Systems Science Approaches in Epidemiology  
Session Chair: Abdulrahman El-Sayed  
Berkeley

Evaluating Agent-Based Network Models for Health and Behaviors  
David Shoham  

Racial/Ethnic Differences in Alcohol-Related Injury: An Agent-Based Modeling Approach  
Katherine Keyes

Designations: “S” (work completed while the presenter was a student), “L” (Latebreaker), “E” (eMAC winners)
Thursday Morning

Adapting Systems Approaches for Epidemiology: An Illustration Considering the Social Communicability of Obesity
Abdulrahman El-Sayed

Discussant
Ichiro Kawachi

427

STATISTICAL METHODS IN LIFE COURSE EPIDEMIOLOGY

Arlington

SESSION CHAIR: Kate Tilling

Modelling Trajectories of Growth: A Multilevel Modelling Approach
L.D. Howe

Marginal Structural Models for Life-Course Epidemiology: An Example of Breastfeeding and Health Consequences in Early Childhood
Rolf H.H. Groenwold

Multivariate Multilevel Models for Associations between Trajectories and Outcomes: An Example of Gestational Weight Gain and Birthweight
K. Tilling

Modeling Trajectories of Change in Physical Activity and All-Cause Mortality: A Latent Class Approach
Qian-Li Xue

428

SURVIVING COMPETING RISKS

Imperial

SESSION CHAIR: Steve Cole and Bryan Lau

Competing Risks: The Risks Compete, the Hazards Add
Bryan Lau

Estimating Risk Differences and Risk Ratios from Cohort Studies with Competing Risk
Steve Cole

Recent Developments in Competing Risks
Jason Fine

Discussant
James Robins

429

WHAT IS THE ROLE OF EPIDEMIOLOGY IN THE ERA OF MOLECULAR BIOLOGY AND GENOMICS

Plaza

(Sponsored by the American Journal of Epidemiology)

SESSION CHAIR: Lewis Kuller

“Deep Phenotyping”: Characterizing Populations in the Era of Genomics and Systems Biology
Russell P. Tracy

Molecular Pathological Epidemiology: A Paradigm Shift to Address Heterogeneity of Disease Etiologies and Pathogenesis
Shuji Ogino

Will Methods of Quantifying Diet Improve Nutrition, Epidemiology Research?
Ross L. Prentice

The Challenges for Epidemiology of New Technologies, Large Samples, Data Collection, Example of the National Children’s Study
Michael B. Bracken

11:30 am – 1:30 pm

Lunch (on your own)

12:00 – 1:00 pm

LIFE OF POST-Docs AND JUNIOR FACULTY

Arlington

SESSION CHAIR: Abdulrahman El-Sayed

Panelists:
- Rena Jones, National Cancer Institute
- Jessica Jones-Smith, Johns Hopkins University
- Rohit Ojha, St. Jude’s Children’s Research Hospital
- Beth Widen, Columbia University
Thursday Afternoon

12:00 – 1:00 pm

**Roundtables** (complimentary tickets available at registration, limited)

Opportunities and Challenges for Researching Non-Communicable Diseases in Low-Resource Countries
Louise Brinton
Publishing from an Editor’s Perspective
Ichiro Kawachi
Instrumental Variables and Other Dangerous Things
Miguel Hernán
Exposures, Interventions, and Causal Inference
Daniel Westreich

12:00 – 1:00 pm

**AJE Meet the Editors**

Berkeley

1:30 – 3:00 pm

**Concurrent Contributed Sessions 2**

ADVANCES IN SUICIDE EPIDEMIOLOGY: MACRO, MICRO, METHOD

**SESSION CHAIR:** Stephen Gilman

Berkeley

430

The Effect of Recessions on Suicide Mortality in the United States
Sam Harper

431-S

War- and Civilian-Trauma Experiences and their Relation with Suicidal Ideation among Ohio Army National Guard Soldiers
Marta Prescott

432-S

Physicians’ Prescribing Preferences Are a Potential Instrument for Patients’ Actual Prescriptions of Antidepressants
Neil Davies

433

An Observational Study on the Impact of Service Use for Mental Disorders on Suicidality
Guilherme Borges

Discussant
Matthew K. Nock

CANCER IN WOMEN

**SESSION CHAIR:** JoAnn Manson and Sue Hankinson

Terrace

434-S

Lifetime Vigorous Physical Activity in Relation to Estrogen Receptor-Positive and Estrogen Receptor-Negative Breast Cancer in African American Women
Traci N. Bethea

435-S

Bisphosphonate Use and Risk of Postmenopausal Breast Cancer
Sarah Aroner

436

Feasibility and Performance of NCI’s Automated Self-Administered 24 Hour Recall (ASA24)
Frances Thompson

437

Vegetarian Dietary Patterns Associated with Biomarkers of Cancer Risk
Karen Jaceldo-Siegl

438-S

Association between Serum 25(OH) Vitamin D, Incident Liver Cancer and Chronic Liver Disease Mortality in the Linxian Nutrition Intervention Trials: A Nested Case-Control Study
Jianbing Wang

439

Assessing the Effectiveness of a Cancer Screening Test in the Presence of another Screening Modality in Nonrandomized Studies
Jessica Chubak

ESTIMATING THE BURDEN OF INFLUENZA

**SESSION CHAIR:** Derek Cummings

Clarendon

440

Estimating the Incidence and Severity of Influenza in the United States: A Bayesian Perspective
Carrie Reed

443

Modeling the Potential Impact of an Influenza A/H3N2v Vaccine in the United States
Carrie Reed

441-S

Years of Life Lost in the First Wave of 2009 Pandemic (H1N1) in Hong Kong
Ying Zhou
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<td>Case Fatality Risk of 2009 Pandemic Influenza A(H1N1): A Systematic Review and Meta-Analysis</td>
<td>Benjamin Cowling</td>
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<td>Predicting Influenza Admissions among Veterans from Telephone Triage</td>
<td>Carla Winston</td>
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<td>Obesity Research: Causal Questions, Novel Methods</td>
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<td>The Perils of Collider Stratification: The Obesity Paradox Explained</td>
<td>Hailey R. Banack</td>
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<td>Race or Place? Exploring Racial Modification of the Obesity Gender Gap</td>
<td>Marissa J. Seemans</td>
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<td>How is Pregnancy-Related Weight Changes and Breastfeeding Related to Long-Term Maternal Weight and Waist Circumference? A Path Analysis</td>
<td>Helene Kirkegaard</td>
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<td>Community Socioeconomic Deprivation and Obesity Trajectories in Children using Big Data</td>
<td>Claudia Nau</td>
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<td>449</td>
<td>Weight Loss and Coronary Heart Disease and All-Cause Mortality in Middle-Aged or Older Women: Sensitivity Analysis for Unmeasured Confounding by Undiagnosed Disease</td>
<td>Goodarz Danaei</td>
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<td>On the Analysis of Mediation in Social Epidemiology</td>
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<td>Social Inequality in Breast Cancer - Quantification of the Mediating Effects of Lifestyle and Reproductive Patterns</td>
<td>Ulla Hvidtfeld</td>
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<td>The Association between Socioeconomic Position, Modifiable Risk Factors and Heart Disease Incidence in Canada: The National Population Health Survey</td>
<td>Brendan T Smith</td>
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<td>453</td>
<td>The Moving to Opportunity Experiment and Adolescent Psychological Distress: Were Effects Mediated by Neighborhood Characteristics?</td>
<td>Theresa Ospyuk</td>
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<td>The Built Environment as a Mediator in the Relationship between Racial Residential Segregation and Preterm Birth in Durham, North Carolina</td>
<td>Rebecca Anthopolos</td>
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<td>451-S</td>
<td>Assessment of Mediation by Behavioral Risk Factors on Educational-Related Gradients in Cause-Specific Mortality using Additive Hazards Modeling: A Multicenter Cohort Study</td>
<td>Helene Nordahl</td>
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<td>Tyler VanderWeele</td>
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<td>Psychosocial Stress and Risk of Uterine Leiomyomata in Black Women</td>
<td>Lauren Wise</td>
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<td>Physical and Sexual Abuse Victimization in Childhood or Adolescence and Risk of Gestational Diabetes</td>
<td>Susan Mason</td>
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<td>Personality and Birth Outcomes among Adolescents</td>
<td>Emily Harville</td>
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<td>Stressful Events in Pregnancy and Postpartum Depressive Symptoms in Massachusetts</td>
<td>Sarah Stone</td>
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<td>Risk Factors Associated with Trajectories of Fathers’ Depressive Symptoms across the Early Parenting Period: An Australian Population based Longitudinal Study</td>
<td>Rebecca Giallo</td>
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3:00 – 3:30 pm Afternoon Break Mezzanine
Thursday Afternoon

3:30 – 5:00 pm

Concurrent Contributed Sessions 3

**CONTRIBUTIONS TO CAUSAL INFEERENCE**
**Imperial**

**SESSION CHAIR:** Eric Tchetgen Tchetgen

468  
Efficient Design for Mendelian Randomization Studies: Subsample and Two-sample Instrumental Variable Estimators  
Brandon Pierce

465  
Power and Sample Size Calculations for Mendelian Randomization Studies  
Benjamin Cowling

466  
Direct Effect of Birth Weight on Childhood Blood Pressure: A Causal Mediation Analysis  
Jay Kaufman

467-S  
Multiply Robust Estimation of Total Effects in Multilevel Models  
Maral DerSarkissian

**EMERGING ISSUES IN BIRTH DEFECTS AND DEVELOPMENTAL DISORDERS**
**Clarendon**

**SESSION CHAIR:** Coleen Boyle

469-S  
Familiality of Social Responsiveness Scale scores in the Nurses’ Health Study II  
Kristen Lyall

470  
Parental Early-Life Socioeconomic Statuses and Childhood Behavior Problems: What Are the Pathways?  
Naoki Kondo

471-S  
Perinatal Risk Factors for Autism: Findings from the Collaborative Perinatal Project  
Emma Viscidi

472  
The Relationship between Race/Ethnicity and Major Birth Defects in the United States, 1999-2007  
Mark Canfield

473-S  
Maternal Exposure to Criteria Air Pollutants during Early Pregnancy and Congenital Heart Defects in Offspring  
Jeanette A Stingone

**ENVIRONMENTAL EPIDEMIOLOGY: INTERACTIONS BETWEEN ENVIRONMENTAL AND GENETIC FACTORS**
**Plaza**

**SESSION CHAIR:** Maria Argos

474-S  
Valid Gene-Environment Interactions When Improper Controls Induce Selection Bias  
Ryan Seals

475  
Managing Bias in Studies of Additive Gene-Environmental Interaction: Gulf War Illness  
Robert Haley

476-S  
NOS Genes and PD: Marginal Associations and Gene Environment Interactions with Pesticides  
Kimberly Paul

477-S  
Genetic Variants in One-Carbon Metabolism and DNA Repair Genes Modify the Association between Arsenic and Skin Lesions  
Wei Jie Seow

478-S  
Gene-Smoking Interactions and Risk of Childhood Acute Lymphocytic Leukemia among Hispanic Children in a Genome-Wide Association Study  
Jessica L. Trimis

479-S  
Indoor Coal Smoke Exposure, Tobacco Use, and Lung Cancer Risk in Xuanwei, China  
Christopher Kim

**FEMALE INFERTILITY: CAUSES & CONSEQUENCES**
**Berkeley**

**SESSION CHAIR:** Lauren Wise

460  
Randomized Clinical Trial of Preconception Low Dose Aspirin use to Improve Pregnancy Outcomes: EAGeR (Effects of Aspirin in Gestation and Reproduction) Trial  
Enrique Schisterman

461-S  
Cervical Surgery for Cervical Intraepithelial Neoplasia and Prolonged Time to Conception of a Live Birth: A Case-Control Study  
C.N. Spracklen

462-S  
Cycle-Specific Phthalate Measures, Early Pregnancy Loss and Time to Pregnancy  
Anne Marie Jukic
463-S  Fecundability in Women Born Preterm
        Cathrine Wildenschild
464-S  Low Technology Assisted Reproduction and Preterm Birth
        Carmen Messerlian

Discussant
        Donna Baird

LATEBREAKER SESSION

SESSION CHAIR: Polly Marchbanks

Arlington

L11  Patterns in Screening Mammography Utilization by Socio-Demographic and Breast Cancer Risk Factors between 2000 and 2012
        K. Bolton
L12  Cancer Incidence among Minnesota Taconite Workers
        Elizabeth M. Allen
L13  Pyrethroid and Organophosphate Insecticides & Behavioral Problems, CHMS
        Youssef Oulhote
L14  Sensory Impairments and Cognitive Function in the Beaver Dam Offspring Study
        Karen J. Cruickshanks
L15  The Effect of Neighbourhood Characteristics on the Risk of Depression in a Community Sample with Diabetes
        Genevieve Gariepy
L16  Ante- and Postpartum Depression in Ghanaian and Ivorian Women and Impact on Febrile Illness in their Offspring: A Prospective, Longitudinal Birth-Cohort Study
        Stephan Ehrhardt
L17  Cross-Sectional Associations of Self-Reported Depression and Racial Discrimination with Brain Tissue Volumes: The CARDIA Study
        Craig Meyer
L18  Perceived Racism in Relation to Incident Sarcoidosis in the Black Women’s Health Study
        Yvette Cozier

TOWARD A DEFINITE, COHERENT HETEROGENEITY: RECENT ADVANCES IN METHODS AND FINDINGS
FROM LONGITUDINAL DESIGNS IN BREAST CANCER

SESSION CHAIR: Mary Beth Terry

Terrace

480  Breast Cancer Risk Prediction with Heterogeneous Risk Profiles According to Breast Cancer Tumor Markers
        Bernard Rosner
481-S  Tumor Markers in Relation to Disease-Free Survival among Women with Ductal Carcinoma in situ of the Breast
        Alex Binder
482-S  Novel Methodologies to Address Molecular Heterogeneity of Disease Processes in Epidemiologic Research
        Aya Kuchiba
483-S  Breast Cancer Subtypes and Previously Established Genetic Risk Factors: A Bayesian Approach
        Katie O’Brien
484-S  Change of Mammographic Density Predicts the Risk of Contralateral Breast Cancer
        Maria EC. Sandberg
485  A Prospective Study of Smoking in Relation to Breast Cancer Incidence in African American Women
        Lynn Rosenberg

5:00 – 6:30 pm

Poster Session 3 & Reception

Poster Session 3A

CANCER

486  Diabetes, Insulin Use and Ovarian Cancer Incidence
        Margaret A. Gates
487-S  Adolescent and Adult Dietary Fat Intake and Ovarian Cancer Risk
        Megan Rice
488  The Association between Colorectal Cancer Susceptibility Loci and Colorectal Conventional Adenomas and Serrated Polyps
        Andrea Burnett-Hartman
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<td>Kathryn Terry</td>
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<td>Chrysotile Asbestos Exposure and Ovarian Cancer: Is There an Association?</td>
<td>Megan Jacobsen</td>
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<td>Dietary Patterns and Risk of Hodgkin Lymphoma in a Population-Based Case-Control Study</td>
<td>Mara Epstein</td>
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<td>Variations within ARID5B, CEBPE, and IKZF1 and Risk of Childhood Leukemia</td>
<td>Ling-I Hsu</td>
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<td>Associations between Endogenous Hormone Levels and Lobular Involution in the Normal Breast among Premenopausal Women</td>
<td>Zeina Khodr</td>
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<td>Recruiting Female Cancer Survivors from the Georgia Cancer Registry: The FUCHSIA Women’s Research Study</td>
<td>Penelope P. Howards</td>
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<td>Interaction of Coffee Intake and Body Mass Index on the Risk of Advanced Breast Cancer among Singapore Chinese Women</td>
<td>Lei Zhu</td>
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<td>Dose-Response Relationship between Paan Chewing and Oral Cancer</td>
<td>Sreenath Madathil</td>
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<td>Participation Bias in a Prostate Cancer Quality of Life Survey</td>
<td>Kimberly Porter</td>
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<td>Human Papillomavirus Vaccine Beliefs, Acceptance, and Uptake among U.S. and International Students at a Mid-Western University</td>
<td>Madhav Bhatta</td>
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<td>Reproductive and Hormonal Factors, Benign Breast and Reproductive Conditions, and Thyroid Cancer Risk</td>
<td>Melissa Braganza</td>
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<td>500</td>
<td>Mode of Colon Cancer Detection and Stage at Diagnosis: Interactions with Age at Diagnosis and Implications for Screening</td>
<td>Garth Rauscher</td>
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**CARDIOVASCULAR**

| 503-S| Criterion Validity of the NTproBNP in Patients with Severe Dyspnea with Uncertain Diagnosis of Acute Heart Failure | Wilson Canon-Montanez   |
| 504-S| Birth Weight and Adult Cardiovascular Risk Factors using Multiple Birth Status in the 1958 Birth Cohort as an Instrumental Variable | Man Ki Kwok             |
| 506-S| Warfarin Anticoagulation Therapy and Mortality Following Gastrointestinal Hemorrhage in Patients with Atrial Fibrillation in Clinical Care: The ATRIA and ATRIA-CVRN cohorts | Jeffrey Ashburner        |
| 507-S| Epigenetics and the Metabolic Syndrome: DNA Methylation of Cardiovascular Disease-Related Genes | Archana Shrestha         |
| 508  | Ambient Temperature during Gestation and Cold-Related Ischemic Heart Disease and Stroke Mortality in a Swedish Cohort, 1915 to 2002 | Tim Bruckner            |
| 509-S| Calcium plus Vitamin D Supplementation and the Risk of Heart Failure: the Calcium and Vitamin D trial of the Women’s Health Initiative study | Macarius M. Donneyong   |

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510-S Height, its Components, and Hematological Coagulability among Older Chinese: The Guangzhou Biobank Cohort Study
Yi Zhong

511-S Prognostic Value of N-Terminal Pro-Brain Natriuretic Peptid (NT_PROBNP) Trajectories in Patients with Stable Coronary Heart Disease
Dhayana Dallmeier

512-S Remitted Depressive Symptoms and Subsequent Stroke Risk: Contrasting Marginal Structural Models and Conventional Models
Paola Gilsanz

513 Vegetarian Dietary Patterns and Cardiovascular Risk Factors among Black Subjects in the AHS-2 Cohort
Gary Fraser

514 Adipokines, Inflammatory, and Coagulation Factors in Metabolic Syndrome among Rural and Urban Indian Men
Ananya Roy

515-S Health Behavior, Access to Care, and Attitudes Regarding Emergency Situations and the Use of 911 among REACH MUSC Telestroke Consults
Angela M. Malek

516-S Predictors of Risk and Protection for Hypertension in Yup’ik People from Southwest Alaska
Eric Roberts

517 Combined Low-Risk Dietary and Lifestyle Practice and Risk of Myocardial Infarction in Men
Agneta Åkesson

518-S The Association between Water Intake and Coronary Heart Disease Mortality: Results from the Adventist Health Study-2
Abdullah Marghalani

INFECTION
519 Forest Fragmentation and the Risk of Babesiosis: Investigating the Landscape Epidemiology of an Emerging Tick-Borne Disease
Michael Walsh

520 Postlicensure Safety Surveillance for 13-Valent Pneumococcal Conjugate Vaccine
Hung Fu Tseng

521-S Effect of Vitamin D Supplementation on Antibiotic Use and Upper Respiratory Tract Infection: A Randomized Controlled Trial
Rachel Neale

522-S Impact of El Nino Southern Oscillation on Infectious Disease Hospitalization Risk in the United States, and Implications for Climate Change
Sandy Bae

Helen Meier

524-S The Impact of Prison Inmate Movement on Methicillin-Resistant Staphylococcus Aureus Transmission in the New York State Correctional System
Carolyn Herzig

525-S Withdrawn

526-S Examining the Role of Hand Contamination and Asymptomatic Colonization in the Transmission of Healthcare-Associated Infections
Eric Lofgren

527 Spatial Epidemiology of HIV-Hepatitis Co-Infection in the State of Michigan
Zahid Butt

528 Persistent Pathogens and Incidence of Elevated Depressive Symptoms among a Longitudinal Cohort of Elderly Latinos
Amanda Simanek

529-S Association between Unprotected UV Exposure and Ocular Herpes Simplex Virus Recurrence
Christina Ludema

530-S The Duration of Effects of Antibiotic Exposures on the Risk of Clostridium Difficile Infection (CDI): A Cohort Study
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531 A Social Network Intervention for Reducing Influenza-Like Illness Transmission: The eX-FLU Cluster Randomized Trial
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563 Trends in Meat Intake over 17 years in Relation to Diabetes, Weight Gain, and Weight Loss
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564 Dietary N-6 Polyunsaturated Fat, Carbohydrate-to-Protein Ratio, and Change in Body Weight and Waist Circumference: A Follow-up Study
M.U. Jakobsen

565-S Lean Fish and Seafood Consumption Does Not Prevent Increases in Body Weight, Waist Circumference and Percentage of Body Fat
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566-S Racial Differences in Plasma Levels of Total and Free 25-Hydroxyvitamin D and Vitamin D Binding Protein
Tianyi Huang

567-S Index-Based Dietary Patterns and Risk of Head and Neck Cancer in the NIH-AARP Diet and Health Study
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568-S Food Consumption Patterns of Vegetarians and Non Vegetarians in Adventist Health Study 2
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570-S Association between Breastfeeding and Infant Growth: A Probable Reverse Causality
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Olga Basso

573-S Appetite, Dietary Intake, and Gestational Weight Gain
Fu-Ying Tian

574-S Menstrual Cycle Characteristics in Relation to Plasma Steroid Hormone, Prolactin, and Growth Factor Concentrations in Premenopausal Women
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Julie Palmer

577-S  Infertility Treatment and Postpartum Depressive Symptoms in Massachusetts  
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578-S  Spatial Analysis of Gastroschisis in Texas and Massachusetts  
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579  Demographic, Behavioral, and Reproductive History Differences by Maternal Working Status before and during Pregnancy: Implications for Reproductive Studies  
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580  The Role of Pre-Pregnancy Body Mass Index and Gestational Weight Gain in Prenatal and Postpartum Depression  
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582-S  Early Pregnancy Maternal Dietary Fish Intake and Pregnancy Complications: The Omega Study  
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583-S  Risk of Neonatal Morbidity among Infants Born to Refugee and Non-Refugee Immigrant Women in Ontario, Canada  
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584-S  Health Behaviors of Inactive Pregnant Women at High Risk for Gestational Diabetes Mellitus  
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586  Prevalence and Correlates of Migraine in a Cohort of Pregnant Women in the US  
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588-S  Labor Abnormalities, Birth Depression, and Signs of Brain Injury in the Pathway towards Cerebral Palsy in Term Births: A Matched Case-Control Study in Michigan  
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589-S  An Ecologic Level Examination of the Relationship between Dengue and Poor Birth Outcomes using Time-Series Methods  
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590-S  The Importance of Adjusting for Seasonality when Examining Birth Data over Time  
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591-S  The Contribution of Attenuated Selection in Utero to Small-for-Gestational-Age (SGA) Birth among Term African American Male Infants  
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593-S  The Impact of Serum Anti-Müllerian Hormone on Follicular Phase Length in Premenopausal Women  
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594-S  Excessive Gestational Weight Gain Is Linked to Mid-Life Obesity  
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595-S  Diagnosis of Amniotic Fluid Infection Prior to Cerclage Using Glucose and Gram Stain: An Individual Patient Meta-analysis  
Yasser Sabr

596-S  Modeling the Circadian Rhythm of Preterm Labor Onset and Preterm Premature Rupture of Membrane in a Sample of Peruvian Women  
Miguel Angel Luque Fernandez

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Varant Kupelian

642-S  Factors Influencing Physician Antimicrobial Prescribing at Outpatient Facilities Associated with Boston Medical Center
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643  Provider Quality Reporting and Individual Receipt of Health Care Services: Evidence from the Survey of the Health of Wisconsin
Kristen Malecki

644  Disparities in Receipt of Needed Dental Care and Oral Health: Evidence from the Survey of the Health of Wisconsin
Kristen Malecki

645  Alternative Health Practices During the Perinatal Period: What Can Current Data Tell Us?
Pamela Jo Johnson

646-S  Guideline Appropriate Receipt of the Influenza Vaccine among Pregnant Women in the U.S.
Lauren Wisk

647-S  Withdrawn

648  What Does the Massachusetts Experience Tell Us about the Potential Impact of the Affordable Care Act on the Use of Clinical Preventive Services?
Catherine Okoro

649-S  Policy Impact on Employment of Dental Hygienists in Nursing Homes in Japan
Kanade Ito

650-S  Patient Evaluation about Healthcare Quality in Health Center
Cláudia Chaves

651-S  Prevalence of Fissure Sealants in a Portuguese Sample of Adolescents
Nelio Veiga

652-S  A Case-Control Study of Class- and Assignment-Schedules as Factors Affecting University Student Blood Donation in Grenada, West Indies
Sarah N. Hewitt

653  Comorbidities and Medication use in Lupus Nephritis Patients - A Comparison of Result across Case Identification Algorithms
Kathleen McCarty

GLOBAL HEALTH

654  Effects of Childhood and Adolescent Blood Lead Levels on Behavioral Outcomes in Montevideo, Uruguay
Kathleen M. McCarty

655-S  Association between Hypertension and Dietary Patterns in an Urban Community of Nepal
Archana Shrestha

656-S  Weight Status, Morbidity, and Incident Disability among Middle Aged Filipino Women
Benjamin Capistrant

657-S  Racial Disparities in Life Expectancy in Brazil: Causes and Implications for a Multiracial Future
Alexandre Chiavegatto Filho

658-S  Predictors of Losses to Follow-Up (LTFU) and a Return to Care in an Antiretroviral Therapy (ART) programme in Zomba, Malawi
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659-S  Socioeconomic Patterning of Hypertension in Grenada
Eric Roberts

660-S  The Effect of a Delivery Fee Exemption Policy on Socioeconomic Inequalities in Health Facility Deliveries: A Difference-in-Differences Analysis from Five West African Countries
Britt McKinnon

661  Sleep Problems in Relation to Kidney Disease among Sub-Saharan Africans
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687  Different Patterns of Association between Adult Smoking Status and Smoke-Free Home Rules in Texas’ Border and Non-Border Counties
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688  The Relationship between Perceived Discrimination and Therapeutic and Illicit Drug Misuse in Chicago, IL
Haslyn Hunte

6:00 – 7:00 pm  SER Member Business Meeting  Arlington
Friday, June 21

7:00 – 8:00 am
Continental Breakfast
Mezzanine

7:00 – 7:50 am
Student and Postdoctoral Committee Membership meeting – All SPC members welcome to attend
Fairfield

7:30 am – 1:00 pm
Registration

8:00 – 9:30 am
PLENARY 4: CAUSAL INFERENCE: WHY BOTHER?
SESSION CHAIR: Jennifer Ahern
Imperial

Panelists:
- Magdalena Cerdá, Columbia University
- Maria Glymour, University of California, San Francisco
- Maya Peterson, University of California, Berkeley

All Poster Winners announced

9:30 am – 10:00 am
Morning Break
Mezzanine

10:00 – 11:30 am
Symposia 3

689
BEYOND INTENTION-TO-TREAT: A DEEPER UNDERSTANDING OF ADHERENCE-BASED ANALYSES
Arlington

SESSION CHAIR: Jay Kaufman
Causal Approach to Adherence-Based Analysis: Is it Really New?
Ian Shrier
Principal Stratification for Adherence-Based Analyses: A New Birthday Suit for the Emperor?
Russell J. Steele
Implications When the Assumptions Fail: What Does It All Mean?
Tyler VanderWeele

690
NEW METHODS FOR AN OLD EPIDEMIOLOGIC PROBLEM: AGE, PERIOD, AND COHORTS EFFECTS
Plaza

SESSION CHAIRS: Whitney Robinson and Katherine Keyes

A Potential-Outcomes Causal Framework for Age-Period-Cohort Analysis
Etsuji Suzuki
Hierarchical Age-Period-Cohort Models: Overcoming the Limitations of Conventional Linear Models
Yang Yang
A Life Course Approach to Age-Period-Cohort Methods
Whitney Robinson

Discussant
Theodore R. Holford

691
OLD STUDIES, NEW QUESTIONS: MAXIMIZING THE UTILITY OF EXISTING DATA AND THE BIASES THAT CAN RESULT
Berkeley

SESSION CHAIR: Polly Newcomb

Expanding a Cohort Study: Adding Family Members and Body Parts!
Sue Hankinson
New Insights from Mature Studies: The Modern Epidemiology Consortium
Patricia Hartge
Changing Perspective: Turning a Retrospective Study into a Prospective Cohort
Amanda Phipps
Using External Validation Studies to Quantify the Magnitude of Confounding by an Unmeasured Covariate
Til Sturmer
692  RECORDING NATURE’S ANSWERS: MEASUREMENT BIAS IN EPIDEMIOLOGY  Terrace

SESSION CHAIRS: Jessie Edwards and Elizabeth Ogburn

Analytic Results on Bias Due to Nondifferential Misclassification
Elizabeth Ogburn

Methods to Account for Misclassification of Cause-Specific Mortality
Jessie Edwards

Bayesian Adjustment for Exposure Misclassification
Paul Gustafson

Discussant
Enrique Schisterman

693  TEACHING INTRODUCTORY EPIDEMIOLOGY: NECESSARY SIMPLIFICATIONS VS. PERPETUATING MYTHS  Imperial

SESSION CHAIRS: Penelope Howards and Tim Lash

Perspectives on Teaching Retrospective and Prospective Designs
Timothy L Lash

How to Teach Case-Control Studies in Introductory Courses, Without Any Reference to the Rare Disease Assumption
Jan P. Vandenbroucke

Risk: The Abridged and Unabridged Versions
Miguel A Hernán

Discussant
Daniel R. Brooks

11:30 am – 12:00 noon  Break

12:00 – 1:00 pm  Professional Development Sessions

ASK ME ANYTHING: LEADING EPIDEMIOLOGISTS ANSWER YOUR QUESTIONS  Plaza

SESSION CHAIR: Sandro Galea, Columbia University

Panelists:
- Beate Ritz, UCLA
- Ichiro Kawachi, Harvard University
- Stephen Buka, Boston University

MENTORING ACROSS THE LIFECOURSE  Arlington

Discussants:
- Noel Weiss, University of Washington
- Michelle Williams, Harvard School of Public Health
- Stephen Buka, Boston University

NEGOTIATING AN OFFER  Berkeley

SESSION CHAIR: Germaine Louis Buck

Panelists:
- John Acquavella, Amgen
- JoAnn Manson, Boston University
- Andrew Olshan, UNC Chapel Hill

1:00 pm  Meeting Adjourned. See you in Seattle, Washington!
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<th>Event</th>
<th>Room Location</th>
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<tr>
<td>7:00pm-9:00pm</td>
<td>Welcome Reception</td>
<td>Mezzanine</td>
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<tr>
<td>7:00pm-8:30pm</td>
<td>Poster Session 1A</td>
<td>Georgian</td>
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<tr>
<td>7:00pm-8:30pm</td>
<td>Poster Session 1B</td>
<td>Statler</td>
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### Wednesday, June 19

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am—7:50am</td>
<td>Meet the Experts — Pick up tickets at registration desk</td>
<td>See ticket</td>
</tr>
<tr>
<td>7:00am–8:00am</td>
<td>Continental Breakfast</td>
<td>Mezzanine</td>
</tr>
<tr>
<td>8:00am—9:30am</td>
<td>Plenary Session 1</td>
<td>Imperial</td>
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<tr>
<td></td>
<td>Keynote—Ensuring Relevance for Epidemiology in a Changing World— Dr. Thomas Frieden</td>
<td>Imperial</td>
</tr>
<tr>
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<td>President’s Address—Dr. Sandro Galea</td>
<td>Imperial</td>
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<tr>
<td>9:30am—10:00am</td>
<td>Break</td>
<td>Mezzanine</td>
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<tr>
<td></td>
<td>Poster Viewing Continued</td>
<td></td>
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<tr>
<td>10:00am—11:30am</td>
<td>Concurrent Contributed Session 1</td>
<td>Imperial</td>
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<tr>
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<td>Methods in Perinatal Epidemiology</td>
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<tr>
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<td>Cardiovascular Epidemiology</td>
<td>Plaza</td>
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<td>Prenatal Exposures and Outcomes over the Lifecourse</td>
<td>Terrace</td>
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<td>Substance Use across Time, Space, and Generation</td>
<td>Arlington</td>
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<td>Occupation</td>
<td>Berkeley</td>
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<td>SERDigital—Student Methods Web Conference Award Winners</td>
<td>Clarendon</td>
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<tr>
<td>11:30am—1:30pm</td>
<td>Lunch (on your own)</td>
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<tr>
<td>12:00pm—1:00pm</td>
<td>ESI Session: Building a National Reputation</td>
<td>Imperial</td>
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<tr>
<td>12:00pm—1:00pm</td>
<td>Roundtables — Pick up tickets at registration desk</td>
<td>See ticket</td>
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<tr>
<td>1:30pm—3:00pm</td>
<td>Plenary Session 2</td>
<td>Imperial</td>
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<td>Training Epidemiologists: Looking to the Future</td>
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<tr>
<td>3:00pm—3:30pm</td>
<td>Coffee Break</td>
<td>Mezzanine</td>
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<tr>
<td>3:30pm—5:00pm</td>
<td>Symposia 1</td>
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<td>Visionary Epidemiology (sponsored by EPIDEMIOLOGY)</td>
<td>Imperial</td>
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<td>Innovations in Neighborhood Research: Where Do We Go from Here?</td>
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<td>Vitamin D for Prevention of Cardiovascular Disease, Cancer and other Chronic Diseases</td>
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<td>Innovative Design and Analysis Issues in Fetal Growth Studies</td>
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<td>Racial Disparities in Cancer: From the Molecular to the Macro-environment</td>
<td>Berkeley</td>
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<td>Methodological Issues in Psychiatric Epidemiology</td>
<td>Clarendon</td>
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<tr>
<td>5:00pm—6:30pm</td>
<td>Poster Session 2A and Reception</td>
<td>Georgian</td>
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<tr>
<td>7:00pm</td>
<td>Alumni Reunions</td>
<td>Mezzanine</td>
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### Thursday, June 20

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<th>Time</th>
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</tr>
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<tbody>
<tr>
<td>7:00am—7:50am</td>
<td>Meet the Experts—Pick up tickets at Registration Desk</td>
<td>See ticket</td>
</tr>
<tr>
<td>7:00am—8:00am</td>
<td>Continental Breakfast</td>
<td>Mezzanine</td>
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<tr>
<td>8:00am—9:40am</td>
<td>Plenary Session 3</td>
<td>Imperial</td>
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<td>Lilienfeld Student Presentation</td>
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<td>Beyond Cells to Society:</td>
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<td></td>
<td>New Directions in SER</td>
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<tr>
<td>9:40am—10:00am</td>
<td>Break</td>
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<td>Poster Viewing Continued</td>
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### Thursday, June 20

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:00am—11:30am</td>
<td>Symposia 2 &lt;br&gt; Surviving Competing Risks &lt;br&gt; What Is the Role of Epidemiology in the Era of Molecular Biology and Genomics &lt;br&gt; Health of Indigenous Peoples &lt;br&gt; Statistical Methods in Lifecourse Epidemiology &lt;br&gt; Moving from Why to How</td>
<td>Imperial, Plaza, Terrace, Arlington, Berkeley</td>
</tr>
<tr>
<td>11:30am—1:30pm</td>
<td>Lunch &lt;br&gt;(on your own)</td>
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<tr>
<td>12:00pm—1:00pm</td>
<td>Life of Postdoc and Junior Faculty</td>
<td>Arlington</td>
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<tr>
<td>12:00pm—1:00pm</td>
<td>Meet the AJE Editors  &lt;br&gt;(sponsored by AJE)</td>
<td>Berkeley</td>
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<tr>
<td>12:00pm—1:00pm</td>
<td>Roundtables &lt;br&gt;— Pick up tickets at registration desk</td>
<td>See ticket</td>
</tr>
<tr>
<td>1:30pm—3:00pm</td>
<td>Concurrent Contributed Sessions 2 &lt;br&gt; On the Analysis of Mediation in Social Epidemiology &lt;br&gt; Obesity Research &lt;br&gt; Cancer in Women &lt;br&gt; Psychosocial Status across the Reproductive Life Cycle &lt;br&gt; Advances in Suicide Epidemiology &lt;br&gt; Estimating the Burden of Influenza</td>
<td>Imperial, Plaza, Terrace, Arlington, Berkeley, Clarendon</td>
</tr>
<tr>
<td>3:00pm—3:30pm</td>
<td>Break</td>
<td>Mezzanine</td>
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<tr>
<td>3:30pm—5:00pm</td>
<td>Concurrent Contributed Session 3 &lt;br&gt; Contributions to Causal Inference &lt;br&gt; Environmental Epidemiology &lt;br&gt; Toward a Definite, Coherent Heterogeneity &lt;br&gt; Latebreaker Session &lt;br&gt; Female Infertility &lt;br&gt; Emerging Issues in Birth Defects and Developmental Disorders</td>
<td>Imperial, Plaza, Terrace, Arlington, Berkeley, Clarendon</td>
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<tr>
<td>5:00pm—6:30pm</td>
<td>Poster Session 3A and Reception</td>
<td>Georgian</td>
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<tr>
<td>6:30pm—7:00pm</td>
<td>SER Business Meeting</td>
<td>Arlington</td>
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<tr>
<td>7:00am—8:00am</td>
<td>Continental Breakfast</td>
<td>Mezzanine</td>
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<td>7:00am—7:50am</td>
<td>Student and Postdoctoral Committee Membership meeting</td>
<td>Fairfield</td>
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<tr>
<td>8:00am—9:30am</td>
<td>Plenary 4 &lt;br&gt; Causal Inference: Why Bother?</td>
<td>Imperial</td>
</tr>
<tr>
<td>9:30am—10:00am</td>
<td>Break</td>
<td>Mezzanine</td>
</tr>
<tr>
<td>10:00am—11:30am</td>
<td>Symposia 3 &lt;br&gt; Teaching Introductory Epidemiology &lt;br&gt; New Methods for an Old Epidemiologic Problem &lt;br&gt; Recording Nature’s Answers &lt;br&gt; Beyond Intention-to-Treat &lt;br&gt; Old Studies, New Questions</td>
<td>Imperial, Plaza, Terrace, Arlington, Berkeley</td>
</tr>
<tr>
<td>11:30am—12:00pm</td>
<td>Break</td>
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<tr>
<td>12:00pm—1:00pm</td>
<td>Professional Development Sessions &lt;br&gt; Ask Me Anything! &lt;br&gt; Mentoring across the Lifecourse &lt;br&gt; Negotiating an Offer</td>
<td>Plaza, Arlington, Berkeley</td>
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<tr>
<td>1:00pm</td>
<td>Meeting Adjourned— See you in Seattle!</td>
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