

**FINAL PROGRAM**  
**40<sup>th</sup> Annual Meeting of the Society for Epidemiologic Research**  
 June 19-22, 2007

**TUESDAY, JUNE 19, 2007**

8:00 a.m. - 12:00 p.m. SER-Student Caucus Workshop on Developing an Epidemiologic Research Project  
 8:00 a.m. - 5:00 p.m. ACE Workshops  
 8:00 a.m. - 5:00 p.m. SEER\* Stat Training  
 1:30 p.m. SER-Student Caucus Informal Walking Tours  
 4:00 - 8:00 p.m. Registration

7:00 - 9:00 p.m. **Welcome Reception** **GEORGIAN/ARLINGTON**

7:30 – 8:30 p.m. **Poster Session 1** **GEORGIAN/ARLINGTON**

**BIRTH DEFECTS**

- 001-S *A Case-control Study of Prenatal Risk Factors for Single-suture Craniosynostosis*  
Yona Cloonan
- 002 *Ethnic Disparities in Mortality Associated with Congenital Heart Defects in Children and Adults in the U.S.*  
Wendy Nembhard
- 003 *Increasing Prevalence of Hypospadias in Western Australia, 1980-2000*  
Natasha Nassar
- 004 *Maternal Alcohol Consumption and The Risk of Oral Clefts in Norway: A Population-based Case-control Study*  
Lisa Deroo
- 005 *Self-Reported Prevalence of Infections during Pregnancy*  
Sarah Collier
- 006 *The Impact of Altitude on the Burden of Congenital Heart Defects in Saudi Arabia*  
William Greer
- 007 *Utilization of Special Education among Children with Orofacial Clefts*  
Mahsa Yazdy
- 008-S *Adjusted Results from a Case-control Study of Risk Factors for Congenital Heart Defects in Saudi Arabian Infants*  
Amy L Sandridge
- 009-S *Adjusted Results from a Case-control Study of Risk Factors for Embryologically Earliest Congenital Heart Defects in Saudi Arabian Infants*  
Amy L Sandridge

**CANCER**

- 010 *Is There a Link between Stress at Work and Cancer Risk?*  
Marie-Élise Parent
- 011 *A Cohort Study of Thyroid Cancer and Other Thyroid Diseases after the Chernobyl Accident: Dose-response Analysis of Thyroid Follicular Adenomas Detected during First Screening in Ukraine (1998-2000)*  
Lydia Zablotska
- 012 *A Cross-country Comparison of Smoking and Lung Cancer Mortality in Young Adults*  
Montse Garcia
- 013-S *A Reliability Study of a Comprehensive Abstraction Tool for the Study of the Impact of Comorbidity on Cancer Outcome*  
Marina Stegne
- 014-S *Association between Cancer Risk and Cellular Phone Use*  
Ying Ye
- 015-S *Associations of Common Variants in Metabolic Genes with Risk of Multiple Myeloma*  
Laura Gold
- 016 *Marital Status and Survival after Diagnosis with Bladder Cancer among Medicare Recipients*  
Geetanjali Datta
- 017 *Birth Characteristics, Congenital Anomalies and Childhood Acute Leukemia: The Escale Study (SFCE)*  
Florence Menegaux
- 018-S *Breastfeeding and Early Infection in the Development of Acute Leukemia in Children with Down Syndrome.*  
Janet Flores-Lujano
- 019 *Calcium, Vitamin D, and Dairy Product Intake and Prostate Cancer Risk: The Multiethnic Cohort Study*  
Song-Yi Park
- 020-S *Cancer in Vietnam Veterans*  
Erin Fox
- 021 *Cancer Incidence Patterns among Specific Asian and Pacific Islander Populations in the U.S.*  
Barry Miller

## Tuesday, Poster Session 1

- 022 *Cancer Risk in a Cohort of Patients with Systemic Lupus Erythematosus (SLE) in California*  
Arti Parikh-Patel
- 023 *Cancer Survival by Socioeconomic Status and Race/Ethnicity in New Jersey*  
Xiaoling Niu
- 024 *Comparison of ALL Cancer Rates among Urban Areas and Counties within Texas*  
Laura Scott
- 025 *Disparities in Survival between Black and White Patients with Renal Cell Cancer*  
Sonja Berndt
- 026 *Elevated Incidence of Neuroblastoma in a Community Exposed to Carcinogens from a Munitions Factory*  
April Zambelli-Weiner
- 027-S *Epstein-Barr Virus Serology and Gastric Cancer Incidence and Survival*  
Jill Koshiol
- 028 *Increased Risk of Cancer among Persons with AIDS in New Jersey*  
Thuy Lam
- 029 *Increased Risk of Esophageal Adenocarcinoma in a Historical Cohort of Petroleum Workers*  
Jorunn Kirkeleit
- 030 *Menstrual, Reproductive and Anthropometric Characteristics as Risk Factors for Thyroid Cancer: A Countrywide Case-control Study in New Caledonia*  
Therese Truong
- 031-S *Psychosocial Factors Associated with Increased Frequency of Prostate Cancer Screening among Men Ages 40-79: The Olmsted County Study*  
Lauren Wallner
- 032 *Predictors of Cancer Mortality: Evidence from 30 Years of follow-up in the Aerobics Center Longitudinal Study*  
Angela Thompson
- 033 *Racial Differences in the Treatment of Ductal Carcinoma in Situ*  
Reina Haque
- 034 *Recent Trends in Childhood Cancer Mortality: United States, 1990–2003*  
Jun Li
- 035 *Spatial Analysis of Cancer Prevention Resources in Brooklyn, NY: A Pilot Study of Racial/ethnic Disparities*  
Pamela Ransom
- 036-S *Symptoms as a Predictor of Survival in Breast Cancer Patients*  
Darren Brenner
- 037 *Reduced Lung Cancer Deaths Attributable to Decreased Tobacco Use in Massachusetts*  
Zubair Kabir
- 038-S *Dietary Patterns and the Risk of Barrett's Esophagus*  
Ai Kubo
- 039-S *Personal History of Benign Gynecological Disease and Cutaneous Melanoma Risk in a Cohort of French Women*  
Marina Kvaskoff
- 040-S *Cutaneous Melanoma and Alcoholic Beverages Intake: A French Prospective Study*  
Marina Kvaskoff
- 041-S *Reproductive and Hormonal Factors and Cutaneous Melanoma Risk in a Large Cohort of French Women*  
Marina Kvaskoff
- 042 *Effects of Aflatoxin B1, IFNA17, and CYP2C19 Gene Polymorphisms on Liver Cancer*  
Binh Goldstein

### DIABETES

- 043 *Understanding the Mechanisms of “Developmental Origins” of Disease: How Much Do We Know?*  
Zhong-Cheng Luo
- 044 *Adherence to Lipid Lowering Drugs is Associated with LDL-cholesterol Goal Achievement (NIDDK 5R01DK64695-3)*  
Manel Pladevall
- 045-S *Characterization of Cut-points for Body Mass Index (BMI) and Waist Circumference (WC) as Prescreening Tools for Diabetes in a Diverse Population: Evidence from the CODA Project.*  
Gabriela Vazquez
- 046-S *Elevated Glomerular Filtration Rate (GFR) Estimated by Cystatin C and the Risk of Microalbuminuria (MA) in Type 1 Diabetes (T1DM)*  
Linda Ficociello
- 047 *Metabolic Syndrome in Older Mexican Americans: The Competing Risk of Dementia and Death*  
Mary Haan
- 048-S *Dietary Quality in a Latino Population at Risk of Type 2 Diabetes*  
Yunsheng Ma
- 049 *Physical Activity and Risk of Type 2 Diabetes in U.S. Black Women*  
Supriya Krishnan

## Tuesday, Poster Session 1

- 051 *The Metabolic and Inflammatory Consequences of Acute Fatigue (FAT) in the Third National Health and Nutrition Survey (NHANES)*  
Michael Walsh
- 052 *Is Lipid Profile among Adolescents with and without Impaired Fasting Glucose Different by Gender?*  
Jian Liu

### HEALTH SERVICES

- 053 *Blood Safety Surveillance among Individuals with Thalassemia*  
Dhelia Williamson
- 054 *Modeling Syndromic Surveillance*  
Thomas Clarke
- 055 *Automatically Summarized Quarterly Syndromic Surveillance Data by SAS*  
Han Wu
- 056 *Centralized Data Collection of Participant-reported Outcomes in Multi-Center American College of Radiology Imaging Network Studies*  
Ilana Gareen
- 057 *Coordinating Medical Record Abstraction for Multi-center Studies*  
Ilana Gareen
- 058 *Disparities in Health Care Coverage between Black Immigrants, and Native Blacks and Whites: The Role of Premium Costs*  
Gilbert Saint-Jean
- 059 *Disparities in Substance Abuse Initiation and Engagement among Non-elderly Disabled Medicaid Beneficiaries with Medicare Dual Eligibility: Access Limited*  
Elsbeth Slayer
- 060 *Exploring the Extent of Cancer Health Care Claims that Result in Cancer Treatment in a Population Aged Less than 65 Years*  
Ray Merrill
- 061-S *Inequities in Access to Healthcare by Income and Insurance Status: A Longitudinal Analysis*  
Hina Ansari
- 062 *Insecticide-treated Bednet Possession and Use: Comparison of Estimates from Health Facility and Household Surveys - Tanzania, 2005*  
Carla Winston
- 063 *How Well Do Hospital Discharge Data Report Neonatal Morbidity and Mortality?*  
Jane Ford
- 064 *Postpartum Hemorrhage Recurrence*  
Jane Ford
- 065 *Relation between Body Mass Index and Total Mortality in Japan: Pooling Project of 190,000 Japanese Participants from Large-Scale Cohort Studies (EPOCH-JAPAN)*  
Yoshitaka Murakami
- 066-S *Smoking Prevalence and Perceived Effectiveness of Smoking Policy and Counseling Patients about Smoking among Medical Students in Amman, Jordan*  
Erin Cox
- 067-S *Smoking Prevalence, Attitudes, and Perceived Smoking Prevention and Control Responsibilities and Behaviors among Physicians in Jordan*  
J. Bradley Layton
- 068-S *Smoking Prevalence, Attitudes, and Perceived Smoking Prevention and Control Responsibilities and Practices among Nurses in Amman, Jordan*  
Alan Kelley
- 069 *The Association between the Distribution of Obstetricians and Birth Outcomes in the US, 1992-2002*  
Michael Kogan
- 070 *Validity and Fiability of Using Teledermatology to Avoid Unnecessary Face-to-Face Consultations in Patients with Surgical Removing of Cutaneous Lesions.*  
Adoracion Nieto
- 071 *Does Severity Influence Reporting of Conditions in Administrative Data?*  
Christine Roberts
- 072-S *Medicaid Infant Claims, Costs and Regional Characteristics for Women Receiving Maternity Care Coordination in North Carolina*  
Dara Mendez

### PEDIATRIC

- 073-S *Care and Early Childhood Outcome of Extremely Preterm Infants in the British Isles and in France*  
Florence Bodeau-Livinec
- 074 *Early Childhood Behavior Problems and Body Mass Index from Age 2 to 12y*  
Sarah Anderson
- 075-S *Economic Antecedents of Prone Infant Sleep Placement among Black Mothers*  
Tim Bruckner

## Tuesday, Poster Session 1

- 076 *Intrauterine Growth and Subsequent Intellectual Disability in a Ten-Year Population Cohort of Children in Western Australia*  
Natasha Nassar
- 077-S *Overweight in Children and Adolescents in Relation to Attention Deficit/Hyperactivity Disorder: Results from A National Sample*  
Molly Waring
- 078 *Permissive Hypercapnia and Intraventricular Hemorrhage in a Statewide Cohort of Very Low Birthweight Infants*  
Erika Hagen
- 079-S *Therapeutic Impact of Routine Electrolyte Testing in Management of Plasma Sodium and Potassium Disturbances in Children with Dehydrating Diarrhea*  
Victoria Pillay
- 080-S *Reliability and Diagnostic Accuracy of Clinical Signs Used to Assess Electrolyte Disturbances in Childhood Diarrhea*  
Victoria Pillay
- PREGNANCY**
- 081 *Hospitalizations for Obstetric Complications among Women with Eating Disorders*  
Pooja Bansil
- 082 *Impact of Air Pollution on Birth Weight in Connecticut and Massachusetts*  
Keita Ebisu
- 83 *Job Characteristics and Risk of Low Birth Weight and Premature Delivery: Analysis from State Birth Registry Data*  
John Meyer
- 084 *WITHDRAWN*
- 085-S *Physical Exercise during Pregnancy and the Risk of Preterm Birth: A Study within the Danish National Birth Cohort*  
Mette Juhl
- 086 *Periodontal Disease and Pregnancy Outcomes: A Systematic Review/Meta-analysis*  
Xu Xiong
- REPRODUCTIVE**
- 087 *Post-traumatic Stress Disorder and Depression in Pregnant Women Affected by Hurricane Katrina*  
Xu Xiong
- 088-S *Accuracy of Menstrual Cycle Length Reporting*  
Anne Marie Jukic
- 089-S *Physical Activity and the Incidence of Endometriosis*  
Allison Vitonis
- 090 *Are Women Who Experience Coercive First Intercourse More Likely to Have an Unintended First Birth?*  
Corrine Williams
- 091 *Associations of Depression & Depressive Symptoms with Preeclampsia*  
Chunfang Qiu
- 092 *Novel Bacteria Associated with Bacterial Vaginosis among Women with Pelvic Inflammatory Disease*  
Catherine Haggerty
- 093 *Childhood Violence Victimization and Age at Menarche in the Black Women's Health Study*  
Lauren Wise
- 094 *Circulating Granulocyte Colony Stimulating Factor and Preterm Birth*  
Brian Whitcomb
- 095 *Dietary Fats and the Incidence of Endometriosis*  
Stacey Missmer
- 096 *Effects of Polymorphisms in Genes Involved in Metabolism of Contaminants and Sex Steroids on Semen Quality*  
Julia Wirth
- 097-S *Exposure to Radioiodines and Subsequent Fertility*  
Mary Bishop Stone
- 098 *Impact of the Definition of Growth Restriction on the Incidence of Severe Intraventricular Haemorrhage in Very Preterm Infants*  
Dorothee B Bartels
- 099 *Infant Mortality Disparities among U.S.- and Foreign-born Women: Differences by Immigrant Concentration of Cities in which They Reside*  
Pamela Jo Johnson
- 100 *Men's Body Mass Index and Infertility*  
Ruby Nguyen
- 101 *Paternal Age and Twinning in the Jerusalem Perinatal Study*  
Karine Kleinhaus
- 102-S *Perinatal Characteristics and Incident Lupus in Women*  
Julia Simard

## Tuesday, Poster Session 1

- 103-S *Physical Activity and Pregnancy Outcome among Latina Women*  
Amy Haskins
- 104-S *Adenomyosis: Potential Biases Associated with Control Selection*  
Britton Trabert
- 105-S *Population-Based Risk Factors for Adenomyosis*  
Britton Trabert
- 106 *Preeclampsia and Long-term Maternal Mortality*  
Rolv Skjaerven
- 107-S *Prenatal Alcohol Exposure and Apgar Scores: Is There a Relationship?*  
Lyndsay Ammon
- 108 *Recurrence of Stillbirth by Gestational Age*  
Kari Melve
- 109 *Recurrence Risk of SIDS and Infant Death Due to Other Causes: A Population-based Study*  
De-Kun Li
- 110 *Reproductive Factors and Risk of Systemic Lupus Erythematosus in African-American Women*  
Deborah Boggs
- 111-S *Shift Work, hCLOCK T3111C Polymorphism, and Endometriosis Risk*  
Jennifer Marino
- 112-S *WITHDRAWN*
- 113 *Urogenital Abnormalities in Males Exposed Prenatally to Diethylstilbestrol*  
Julie Palmer
- 114 *Widening Disparities in Infant, Neonatal, and Postneonatal Mortality among 32 Major Ethnic-Immigrant Groups in the United States, 1985-2002*  
Gopal Singh
- 115 *Xenobiotic-metabolizing Genes and Birth Weight*  
Olga Basso
- 116-S *A Prospective Analysis of Alcohol Consumption and Onset of Perimenopause*  
Ghasi Phillips
- 117 *Selection Bias in Sibling Pair Analyses of Long-term Consequences of Perinatal Exposures*  
Thomas Harder
- 118 *Does Low Maternal Blood Pressure during Pregnancy Increase the Risk of Perinatal Death?*  
Aimin Chen
- 119 *Bacterial Vaginosis and Non-viral Sexually Transmitted Diseases: 2001-2004 NHANES Data*  
Jenifer Allsworth
- 120 *Bacterial Vaginosis and Viral Sexually Transmitted Diseases: 2001-2004 NHANES Data*  
Jenifer Allsworth
- 121-S *Moved to Poster Session 2*
- 122 *Pre-existing Conditions Related to Risk of Fetal Growth Restriction*  
Janet Catov
- SCREENING**
- 123 *How Contextual Factors Influence Disparities in Colorectal Cancer Screening*  
Salma Shariff-Marco
- 124 *Influence of Mexican Health Care on Breast and Cervical Cancer Screening*  
Maureen Sanderson
- 125 *Prevalence and Predictors of Colorectal Cancer Screening in Women Aged 50 Years and Over: Results from the 2005 National Health Interview Survey*  
Zakia Coriaty Nelson
- 126 *Prostate-specific Antigen Test Use: Data from the 2005 National Health Interview Survey*  
Zahava Berkowitz
- 127-S *Reversing the Odds: Understanding Racial/Ethnic Disparities in Mammography*  
Karen Schneider
- 128-S *Sensitivity and Specificity of Death Certificates in Assigning Lung Cancer as the Cause of Death in the Mayo Lung Project*  
Vincent Doria-Rose
- 129-S *The Evaluation of Self-Selection Bias in Observational Studies of Cancer Screening Using Data from Randomized Controlled Trials*  
Vincent Doria-Rose
- 130 *Immigration, Health Care Access and Recent Cancer Screening Use among Mexican-Americans in California*  
Sowmya Rao

**WEDNESDAY, JUNE 20, 2007**

7:30 - 8:30 a.m. Continental Breakfast

7:30 a.m. – 5:30 p.m. Registration

8:30 – 10:00 a.m. **John C. Cassel Memorial Lecture and Keynote Speakers** **IMPERIAL BALLROOM**  
**“The Role of Genomics in Modern Epidemiologic Research - Two Perspectives”**

David Altshuler, MD, PhD  
Associate Professor of Genetics and of Medicine, Harvard Medical School  
Massachusetts General Hospital  
Director, Program in Medical and Population Genetics, Broad Institute of  
Harvard and MIT

Richard S. Cooper, MD  
Professor and Chair, Preventive Medicine and Epidemiology  
Loyola University Chicago, Stritch School of Medicine

10:00 – 10:30 a.m. **Break and Poster Session 1 Judging** **GEORGIAN**

10:30 a.m. - 12:00 noon **Spotlight Session 1**

**ETIOLOGIC HETEROGENEITY OF BREAST CANCER**

**Session Chair:** Louise Brinton

**TERRACE ROOM**

- 131-S *A Comparison of Reproductive and Hormonal Risk Factors for Subtypes of Ductal Carcinoma in Situ (DCIS) of the Breast and Invasive Breast Cancer*  
Lynette Phillips
- 132-S *Characteristics of Comedo Type Ductal Carcinoma in Situ (DCIS) of the Breast in Relation to Reproductive Factors and Molecular Markers*  
Matthew Walsh
- 133-S *Red Meat Intake during Adolescence and Breast Cancer*  
Eleni Linos
- 134-S *Carbohydrates, Glycemic Index, Glycemic Load and Risk of Postmenopausal Breast Cancer in a Prospective Study of French Women*  
Martin Lajous

**HEALTH SERVICES RESEARCH**

**Session Chair:** Bonnie Yankaskas

**BERKELEY/CLARENDON**

- 135 *Implementation and Evaluation of a Commercial Weight Loss Program for Obesity Treatment in Tennessee Medicaid*  
Rachel Enriquez
- 136-S *Characteristics Associated with Farmworkers' Use of Health Care Services in the US: The National Agricultural Workers Survey, 1999-2004*  
Andrea Steege
- 137 *Four Decades of Population Health: The Integrated Health Interview Series (IHIS)*  
Pamela Jo Johnson
- 138 *Potential for Alcohol/Prescription Drug Interactions in Older Adult Medicare Beneficiaries*  
Julie Dunn
- 139-S *Pulmonary Complications in Veterans with Multiple Sclerosis, 2003-2004*  
Amy Poel

**INFECTIOUS DISEASES**

**Session Chair:** Marc Lipsitch

**ARLINGTON**

- 140-S *Matching to Prevent Bias in Cohort Studies with Time-Varying Exposures*  
Verena Schneider-Lindner
- 141-S *Assessment of the Initial Assumptions of the Gambia Hepatitis Intervention Study (GHIS) after Twenty Years of Operation*  
Ebrima Bah
- 142 *Control of Visceral Leishmaniasis in Urban Areas: A Community Intervention Trial*  
Guilherme Werneck
- 143-S *Sexual Network Structure and Risk of Bacterial Sexually Transmitted Infections*  
Caroline Fichtenberg

## Wednesday, Spotlight Sessions 1

### INFORMATION BIAS, SELECTION BIAS AND CONFOUNDING

**Session Chair:** Donna Spiegelman

**IMPERIAL BALLROOM**

- 144 *An Optimal Cost-efficient Design that Accounts for Measurement Error: Pooled—Unpooled Design*  
Enrique Schisterman
- 145-S *Impact of Including Workers Hired Prior to the Start of Follow-up: A Simulation Study*  
Katie Applebaum
- 146 *Regression Calibration to Ameliorate Classical Measurement Error Bias in Disinfection By-product Studies*  
Thomas Bateson
- 147 *Three Empirical Studies that Undermine Validity of Multilevel Model Neighborhood Effect Estimates*  
Michael Oakes

### PREECLAMPSIA: PINNING DOWN THE RISK FACTORS

**Session Chair:** Audrey Safitlas

**STANBRO**

- 148 *Migraine Headaches before and during Pregnancy are Associated with an Increased Risk of Preeclampsia*  
Sixto Sanchez
- 149 *WITHDRAWN*
- 152 *A Prospective Analysis of Recreational Physical Activity and Preeclampsia Risk*  
Carole Rudra
- 150-S *Pre-pregnancy Body Mass Index, Gestational Weight Gain, and Risk of Hypertensive Disorders of Pregnancy among Latina Women*  
Renee Turzanski Fortner
- 151 *The Relationship between Periodontal Disease and Preeclampsia*  
Xu Xiong

### RACE AND CLASS INEQUALITIES AND HEALTH

**Session Chair:** Irene Yen & Pat O'Campo

**PLAZA BALLROOM**

- 153 *Socioeconomic Gradients in Birth Outcomes across Race, Ethnicity and Nativity*  
Lenna Nepomnyaschy
- 154-S *Associations of Acculturation and Socioeconomic Status (SES) with Carotid Plaque: The Multiethnic Study of Atherosclerosis (MESA)*  
Pamela Lutsey
- 155 *Neighborhood Socioeconomic Status and Cumulative Biological Risk*  
Sharon Stein Merkin

12:00 – 1:30 p.m.

**Lunch (on your own)**

12:15 – 1:15 p.m.

**Lunchtime sessions**

### THE REVIEW OF EPIDEMIOLOGY APPLICATIONS AT THE NIH IN THE AGE OF ELECTRONIC SUBMISSIONS

**Presenter:** J. Scott Osborne

**HANCOCK**

### WHAT DO EDITORS LOOK FOR IN A MANUSCRIPT: A CHAT WITH AN AJE EDITOR

**Presenter:** Mark Klebanoff

**CAMBRIDGE**

### Roundtables (by ticket only)

1:30 - 3:00 P.M.

### Symposia 1

- 156 **21 YEARS OF SILENT REVOLUTION: ROBINS'S G-FORMULA**  
**Session Chair:** Miguel Hernan **IMPERIAL BALLROOM**
- 157 *Intervening on Risk Factors for Coronary Heart Disease: An Application of the Parametric G-Formula*  
Sarah Taubman
- 158 *Marginal Structural Models and Inverse Probability of Treatment Weighting for the Estimation of Causal Effects: An Introduction Based on the Antiretroviral Treatment of HIV Infection*  
Maya Petersen

## Wednesday, Symposia 1

- 159 *G-Estimation of Structural Nested Models to Account for Noncompliance in Randomized Clinical Trials*  
Stephen Cole
- Final Remarks:** James Robins
- 160 **ADULT REPRODUCTIVE EFFECTS OF EXPOSURE TO ENVIRONMENTAL CONTAMINANTS**  
**Session Chair:** Julia Wirth **TERRACE**
- 161 *Phthalates and Male Reproductive Health: New Research Directions*  
Russ Hauser
- 162 *Effects of Metals on Male Reproductive Outcomes*  
Susan Benoff
- 163 *Urinary Endocrine Analyses and Their Application to Assess Menstrual Cycle Function in Populations Exposed to Potential Hazards*  
James Kesner
- 164 *Endocrine Disrupting Chemicals and Endometriosis*  
Germaine Buck Louis
- 165 **ARE COMMUNITIES AND INVESTIGATORS BEING SERVED BY COMMUNITY-BASED PARTICIPATORY RESEARCH (CBPR)?**  
**Session Chair:** David Goldsmith **ARLINGTON**
- 166 *CBPR and Environmental Health: Partnering for Community Health and Recovery in South Carolina (SC)*  
John E Vena
- 167 *Community-based Environmental Justice Research: Promise and Reality*  
Pamela R Davidson
- 168 *Environmental Justice: A Global Perspective*  
Dorothy L Powell
- 169 *Exploring Possible Bias Effects in Participatory Community Environmental Health Studies*  
David Goldsmith
- 170 **MATERNAL GLUCOSE INTOLERANCE AND ORIGINS OF OFFSPRING DISEASE**  
**Session Chair:** Adolfo Correa **STANBRO**
- 171 *A Changing Environment for the Conceptus: Recent Trends in Obesity and Glucose Dysregulation among Fertile U.S. Women*  
Henry S Kahn
- 172 *Complications among Offspring to Women with Fuel Deficits and Excesses during Pregnancy*  
Dana Dabelea
- 173 *Complications among Offspring to Women with Diabetes and Obesity during Pregnancy*  
Patrick M Catalano
- 174 *Challenges for the Prevention of the Complications from Diabetes and Obesity during Pregnancy*  
E Albert Reece
- 175 *Challenges for the Prevention of Gestational Diabetes*  
Michelle A Williams
- (Sponsored by: CDC, Division of Diabetes Translation, Div of Birth Defects & Developmental Disabilities and the March of Dimes)
- 176 **NEIGHBORHOOD ENVIRONMENT AND OLDER ADULTS: CONCEPTUAL AND METHODOLOGICAL ISSUES**  
**Session Chair:** Yvonne L Michael & Irene Yen **BERKELEY/CLARENDON**
- 177 *Neighborhood Context and Older Adults: Review of Recent Literature*  
Irene Yen
- 178 *Places to Walk: The Role of Neighborhood Design on Walking among Older Adults*  
Yvonne Michael
- 179 *Neighborhood Characteristics and the Management of Chronic Conditions among Older Adults*  
Arleen Brown
- 180 *Neighborhood Research in Older Adults: Findings from the Chicago Neighborhood and Disability Study*  
Carlos F Mendes de Leon
- Neighborhood Environment and Older Adults: Conceptual and Methodological Issues*  
Richard J Jackson
- Discussant:** Richard J Jackson (University of California, Berkeley)

## Wednesday, Spotlight Sessions 1

- 181 **RECENT INNOVATIONS IN BIOLOGIC SAMPLE COLLECTION IN LARGE SCALE STUDIES**  
**Session Chair:** Heather Feigelson and Victoria Stevens **PLAZA BALLROOM**
- 182 *Considerations in Blood Collection for Large Epidemiologic Studies: Hormones, Nutrients and Proteomics as Examples*  
Susan E Hankinson
- 183 *Cryopreservation of Whole Blood Samples Collected in the Field for a Large, Prospective Cohort Study*  
Victoria L Stevens
- 184 *Collection and Use of Buccal Cells for Genome-wide Association Studies*  
Heather Feigelson
- 185 *Application of Tissue Microarrays in Molecular Epidemiologic Research: Getting to the Core of the Matter*  
Mark E Sherman

3:00 – 3:30 p.m. **Break**

3:30 - 5:00 p.m. **Spotlight Sessions 2**

### **BEYOND THE NEIGHBORHOOD: UPSTREAM DETERMINANTS OF HEALTH**

**Session Chair:** George Kaplan

**IMPERIAL BALLROOM**

- 186 *Non-residential Neighborhood Exposures Suppress Residential Neighborhood Health Associations*  
Sanae Inagami
- 187-S *Social Inequality in Fetal Growth: A Comparative Study of Denmark, Finland, Norway and Sweden 1981-2000*  
Laust H Mortensen
- 188 *Do Mandatory Seat Belt Laws Reduce Socioeconomic Inequalities in Seat Belt Use?*  
Sam Harper
- 189-S *Redistributive Policy Environments, Spending on Health, and Rich-Poor Inequality in under Five Mortality in Developing Countries*  
Marta Prescott

### **NUTRITION AND HEALTH**

**Session Chair:** Stephanie Smith-Warner

**BERKELEY/CLARENDON**

- 190-S *Dietary Differences between Users and Non-users of Hormone Replacement Therapy: A Potential Confounding Bias? Results from a Cohort of French Women*  
Marie-Noël Vercambre
- 191-S *Inverse Associations between Intake of Antioxidants, Fruits and Vegetables and Barrett's Esophagus*  
Ai Kubo
- 192-S *Fruits and Vegetables against Obesity: A Mediterranean Cohort: The SUN Study*  
Maira Bes-Rastrollo
- 193-S *Black Americans' Female-Male Disparity in Obesity Risk Is Associated with Childhood Family Factors: The National Longitudinal Study of Adolescent Health*  
Whitney Robinson

### **PLANNING YOUR NEXT STUDY: THINGS TO KNOW**

**Session Chair:** Elizabeth Claus

**TERRACE**

- 194 *Do We Need "Big" Epidemiological or Rather Consecutive Studies in Epidemiology?*  
Gerd Kallischnigg
- 195 *Misclassifying Family Cancer History: Impact on Epidemiologic Study Results*  
Anne Jurek
- 196 *Comparing the Reliability of Responses to Telephone-administered vs. Self-administered Web-based Surveys in a Case-control Study of Adult Malignant Brain Cancer*  
Garth Rauscher

### **PREGNANCY & CHRONIC DISEASES**

**Session Chair:** David Savitz

**PLAZA BALLROOM**

- 197 *Adverse Pregnancy Outcomes in Type 1 Diabetes (DM): Contribution of Body Mass Index (BMI) and Glycemic Control*  
Jane Khoury
- 198 *Pre-Gravid Lifestyle and Gestational Diabetes Mellitus in U.S. Women*  
Cuilin Zhang
- 199 *Parity and Cardiovascular Disease Risk in Older Women: How Do Adverse Pregnancy Outcomes Moderate the Association?*  
Janet Catov

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

## Wednesday, Spotlight Sessions 2

- 200-S *Two-stage Nested Case-control Study of the Control and Severity of Maternal Asthma during Pregnancy and the Incidence of Asthma in the Offspring*  
Marie-Josée Martel
- 201-S *Preterm and Small-for-Gestational Age at Birth and Risk of Depression, Depression during Pregnancy and Postpartum in Adulthood*  
Sarah Keim

### RISK FACTORS AND INTERVENTIONS FOR CARDIOVASCULAR DISEASE

Session Chair: Mary Haan

STANBRO

- 202 *Coronary Heart Disease Outcomes in Patients Receiving Antidiabetic Agents*  
Andrew McAfee
- 203 *The Structure of the Metabolic Syndrome: A Meta-confirmatory Factor Analysis (CFA)*  
Manel Pladevall
- 204 *Weight Loss is Related to Mortality in Men but Not in Women: The Tromsø Study 1979 – 1995*  
Tom Wilsgaard
- 205-S *Optimal Cut Points for Anthropometric Indexes of Obesity to Identify High Risk of Coronary Heart Disease in Latin American Population*  
Victor Herrera
- 206 *Apolipoprotein B and Non-high-density Lipoprotein Cholesterol and Risk of Coronary Heart Disease in Chinese*  
Kuo-Liong Chien

### LATEBREAKER SESSION 1

Session Chair: Polly Marchbanks

HANCOCK

- 3:30 p.m. *Bladder Cancer and Reproductive Factors among Women in Spain*  
An-Tsun Huang
- 3:40 p.m. *Methods in Validating and Determining Misclassifications in Disease Self-reports and Estimating Bias on Relative Risks in Prospective Cohorts: Approaches in the Women's Health Study*  
Eric Ding
- 3:50 p.m. *Association of Phthalates with Endometriosis and Uterine Leiomyomata: Preliminary Results from NHANES 1999-2002*  
Jennifer Weuve
- 4:00 p.m. *Specific SSRIs and Risk of Specific Birth Defects*  
Carol Louik
- 4:10 p.m. *Temporal Associations between Depressive Symptoms and Body Mass Index during Early Adolescence*  
Isaac Rhew
- 4:20 p.m. *Intimate Partner Violence and Depressive Symptoms among Pregnant Women*  
Alfredo Gomez-Beloz
- 4:30 p.m. *Men's Own Childhood Physical Abuse (CPA) Histories as Potential Predictors of Their Adult Abuse-perpetration*  
William Holmes
- 4:40 p.m. *Personal Gun Possession and Neighborhood Gun Availability as Risk Factors for Assaultive Gunshot Wound Injury: A Population-based Case-control Study*  
Charles Branas
- 4:50 p.m. *Wrap-up*

5:00 - 6:00 p.m.

### Poster Session 2

GEORGIAN

#### AGING

- 207 *Advanced Age and Foot Disorders: The Population-based Framingham Foot Study*  
Marian Hannan
- 208 *Do the Determinants of Bone Mineral Density Differ by Gender? The Framingham Osteoporosis Study*  
Kerry Broe
- 209-S *Kidney Function and Functional Limitation in the Elderly*  
Michelle Odden
- 210-S *The Association between Unmet Need and Psychological Distress among Community Dwelling Elderly Women*  
Jacqueline Quail
- 211-S *Prevalence of and Risk Factors for Prostatitis in African-American Men: The Flint Men's Health Study*  
Lauren Wallner
- 212-S *Retinal Vessel Measures and Atherosclerosis, Olfactory Impairment and Cognitive Impairment among Older Adults in Beaver Dam, WI*  
Wenjun Zhong
- 213-S *Subjective Sleep Duration, Quality of Sleep and Cognitive Impairment in Older Persons*  
Adrian Loerbroks

## Wednesday, Poster Sessions 2

- 214 *Surveillance of Informal Caregivers*  
Erin Defries
- 215 *The Association of Visual Function and Other Biomarkers of Aging with Falls*  
Michael Knudtson
- 216 *The Relationship of Education and Age with Eyeball Length*  
Kristine Lee
- 217 *Thyroid Status and Cognitive Decline: A Population-Based Study among Elderly*  
Isabela Bensenor
- 218 *Subclinical Hyperthyroidism and Risk of Atrial Fibrillation among Elderly: A Population-based Study*  
Paulo Lotufo
- BEHAVIORAL**
- 219 *Drug Use and Sexual Behaviors Reported by Adolescents, United States, 1999-2002*  
Cheryl Fryar
- 220-S *Early Life Factors and Adolescent Physical Activity*  
Tara Kalra
- 221-S *WITHDRAWN*
- 222 *Mental Health at Ages 2, 5 and 8 as Predictors of Cardiovascular Risk Profile at Age 8 in the Western Australian Pregnancy Cohort (Raine) Study*  
Eugen Mattes
- 223-S *Overweight, Obesity and Asthma: Stronger Associations in Women than in Men*  
Adrian Loerbroks
- 224 *Passenger Knowledge, Attitudes, and Practices during Cruise Ship Outbreaks Caused by Norovirus.*  
Antonio Neri
- FEMALE CANCER**
- 225 *Pregnancy Duration and Maternal Breast Cancer Risk*  
Jan Wohlfahrt
- 226-S *An Analysis of the Efficacy of Cervical Cancer Screening in Elderly Women*  
David Maduram
- 227-S *Population-based Estimates of the Relation between Family History and Breast Cancer Risk*  
Megan Welsh
- 228 *Breast Cancer Risk Factors and Mammographic Density in Midlife Women*  
Lesley Butler
- 229-S *Dietary Carotenoid Intake and Risk of Squamous Intraepithelial Lesions of the Cervix: The Ludwig-McGill Human Papillomavirus Natural History Study*  
Jason Salemi
- 230-S *Effects of Adjuvant Chemotherapy in Older Women with Early Stage Breast Cancer*  
Jaclyn Bosco
- 231 *Family History and Mortality after Breast Cancer Diagnosis*  
Maura Whiteman
- 232 *Non-steroidal Anti-inflammatory Drugs and Breast Cancer Risk in the National Institutes of Health-AARP Diet and Health Study*  
Gretchen Gierach
- 233-S *Population Attributable Fraction of Breast Cancer in Postmenopausal Women*  
Brian Sprague
- 234-S *Pregnancy-related Characteristics and Maternal Risk of Breast Cancer*  
David Jaworowicz, Jr
- 235-S *Progestagen Use Prior to Menopause and Breast Cancer Risk According to Histological and Biological Characteristics*  
Alban Fabre
- 236 *Alcohol Drinking and Risk of Breast Cancer in a Large Population*  
Yan Li
- 237-S *Dietary Carbohydrates, Glycemic Index, Glycemic Load and Endometrial Cancer Risk within the European Prospective Investigation into Cancer and Nutrition (EPIC) Cohort*  
Anne Cust
- 238-S *Metabolic Syndrome, Plasma Lipids, Lipoprotein and Glucose Levels, and Endometrial Cancer Risk in the European Investigation into Cancer and Nutrition (EPIC) Cohort*  
Anne Cust
- METHODS**
- 121-S *Comparison of Saudi Arabian CHD Data with Data from the Baltimore-Washington Infant Survey and the European Surveillance of Congenital Anomalies Registry*  
Amy L Sandridge
- 239 *Feasibility of Obtaining Community Controls for a Case-control Study Using Sequential Digit Dialing*  
Lindsey Leshner

## Wednesday, Poster Session 2

- 240 *A Comparison of Subjective and Objective Measures of Physical Activity and Fitness in Identifying Associations with Cardio-metabolic Risk Factors*  
Michael Schmidt
- 241 *Adjusting for Dropout in an Intervention to Reduce the Black-White Gap in Mammography Use*  
Garth Rauscher
- 242 *Validation of the Linear Risk Model for Estimating Absolute Effects in Public Health Research*  
Garth Rauscher
- 243-S *Assumptions Necessary for Accurate Quantification of Indirect Effects: A Response Type-based Approach*  
Danella Hafeman
- 244 *Back of the Envelop Methods for Getting to the Bottom Line*  
Kevin Brand
- 245 *Designed Delays vs. Rigorous Pragmatic Trials for Health Policy and Drug Evaluations*  
Malcolm Maclure
- 246-S *Using Routinely Collected Register Data to Correct for Selection Bias in Cohort Studies: Results from the Danish National Birth Cohort*  
LH Mortensen
- 247 *Comparison of Two National Death Databases for Death Ascertainment in Persons Reported with HIV/AIDS in New York City*  
David Hanna
- 248-S *Contrasting Theories of Additivity, Synergy, and Antagonism in Epidemiology and Toxicology*  
Gregory Howard
- 249-S *Developing Methods for Consistent and Robust Grading of Cortical Cataract Severity Using Digital Retroillumination Images*  
Alison Abraham
- 250 *Directed Acyclic Graphs, Sufficient Causes and the Properties of Conditioning on a Common Effect*  
Tyler Vanderweele
- 251 *Estimating Co-occurring Behavioral Trajectories within a Neighborhood Context: A Case Study of Multivariate Transitional Models for Clustered Panel Data*  
Magdalena Cerda
- 252 *Evaluation of Recruitment Strategies for a Representative Cohort of Mexican Americans*  
Katherine Saunders
- 253 *Identification of Causal Structures in Epidemiologic Data*  
Zheng Sponsiello-Wang
- 254 *Mortality Agreement between VA, Social Security and Medicare Databases for Oldest-Old Veterans*  
Elizabeth Lawler
- 255 *Nebraska's 2004 Hospital Discharge Data — How Much Is Missing?*  
Bryan Buss
- 256 *Relative Time as a Measure of Association: Application to the Herpetic Eye Disease Study*  
Stephen Cole
- 257 *Response to Cheek Cell Collection in the Black Women's Health Study*  
Manuela Costa
- 258-S *The Causal Effect of Prescription Drugs on Community-acquired Clostridium Difficile Associated Disease: A Marginal Structural Models Analysis*  
Machelle Wilchesky
- 259-S *The Journey from Qualitative Data to a New Instrument*  
Dianne McCormack
- 260 *The Selection Problem in Cross-sectional Neighborhood Analyses: Isolating the Egg*  
Jennifer Ahern
- 261 *The Use of Community-based Participatory Research to Investigate STIs among American Indians in Montana*  
Elizabeth Rink
- 262 *Using Full Matching to Estimate Causal Effects in Non-experimental Studies: Examining the Relationship between Adolescent Marijuana Use and Adult Outcomes*  
Elizabeth Stuart
- 263-S *Using Propensity Score Methods to Derive Population-based Causal Estimates: How Much Do Estimates Vary According to Methods Used?*  
Sze Liu
- 264-S *Area under the ROC Curve for the Best Linear Combination of Two Biomarkers with Limits of Detection*  
Neil Perkins
- 265-S *Youden Index and Optimal Cut-point Estimated from Observations Subject to a Lower Limit of Detection*  
Marcus Ruopp
- 266 *Using the Peters-Belson Approach to Understand the Factors Underlying Disparities in Cancer Screening Rates: Results from the 1998 National Health Interview Survey*  
Sowmya Rao

## Wednesday, Poster Session 2

### NEUROEPI

- 267 *Mercury and Autism*  
Irva Hertz-Picciotto
- 268 *Self-rated Physical Health Predicts Change in Disability in Multiple Sclerosis*  
Trond Riise
- 269 *Associations between Domain Abnormalities and Slower Gait Speed in Older Adults without Dementia*  
Annette Fitzpatrick
- 270 *Erectile Dysfunction and Risk of Parkinson's Disease*  
Xiang Gao
- 271 *Geographic Variation of MS Incidence in the Black Women's Health Study*  
Lauren Wise
- 272 *Telomere Length and Risk of Parkinson's Disease*  
Hao Wang
- 273 *The Effect of Statin Pre-treatment on Infarct Volume in Ischemic Stroke*  
Joyce Nicholas
- 274 *The Epidemiology of Neurological Disorders in Alberta, Canada: A Population-based Study*  
Tricia Prodaniuk
- 275-S *Environmental Tobacco Smoke Exposure and Risk of Seizures in Canines*  
Audra Gollenberg

### OTHER

- 276 *The Association between Thyroid Problems and Glaucoma*  
Gerald McGwin, Jr

### PSYCHIATRIC

- 277 *Antisocial Behavioral Syndromes and DSM-IV Drug Use Disorders: Results from the National Epidemiologic Survey on Alcohol and Related Conditions*  
Rise B Goldstein
- 278 *The Impact of Psychological Distress on Health Status in Community Residents with Asthma*  
Norbert Schmitz
- 279 *Effects of Mood and Anxiety Disorders on Progression of Smoking and Nicotine Dependence in a Nationally Representative Sample of U.S. Adults*  
Amanda Kalaydjian
- 280 *Long-term Course and Outcome in Schizophrenia*  
Stephen Newman
- 281 *Parent and Youth Agreement on DISC Based Estimates of ADHD in a Longitudinal Community Sample of Adolescents.*  
Vivian Santiago
- 282 *Postpartum Depression and Post-traumatic Stress Disorder after Hurricane Katrina*  
Emily Harville
- 283 *Predictors of Resilience among New Mothers in the Aftermath of Hurricane Katrina*  
Emily Harville
- 284-S *Prevalence of Depression and Suicidal Behavior among Marine Recruits*  
Jaimie Gradus
- 285 *Risk Behavior among Adults with Chronic Respiratory Conditions and Depressive Symptoms in the Community*  
Raz Gross
- 286-S *Self-reported Fetal and Childhood Exposure to Cigarette Smoke: A Validation Study*  
Julia Simard
- 287-S *Prevalence of Liver Diseases in Medicaid Recipients with Bipolar Disorder*  
Jasmanda Wu

### SOCIAL

- 288-S *Influences of Lifecourse Socioeconomic Conditions and Second-hand Smoke on Adult Smoking Status: Evidence from a Multiethnic Birth Cohort of Women*  
Parisa Tehranifar
- 289 *Explaining Age Specific Inequalities in Mortality from All Causes, Cardiovascular Disease and Ischemic Heart Disease among South Korean Men: Relative and Absolute Perspectives*  
Young-Ho Khang
- 290 *Effect of Race/Ethnicity and Intimate Partner Violence Perpetration on Emergency Department Use*  
Sherry Lipsky
- 291 *Role of Race/Ethnicity in the Relationship between Intimate Partner Violence Perpetration and Mental Health Utilization*  
Sherry Lipsky
- 292 *A Multilevel Study of Social Structure and Context in Shaping Indicators of Chronic Disease and Chronic Disease Risk Behavior*  
Caroline Mae McKay

## Wednesday, Poster Session 2

- 293 *Association of Victimization with Weapon Carrying Behavior and Substance Use among High School Students*  
Bindu Kalesan
- 294-S *Causal Effect of Racial Residential Segregation on Black Infant Mortality*  
Mary Hearst
- 295-S *Does School Matter for 11-Year-Olds' Fruit Intake?*  
Rikke Krolner
- 296 *Exposure to Area-level Preterm Birth Disparity and Effects on Birth Outcomes*  
Lynne Messer
- 297 *Gender-Based Health Inequality: A Historical Analysis from South Korea*  
Heeran Chun
- 298 *Hopelessness and Markers of Endothelial Dysfunction*  
Phoenix Do
- 299-S *Perceptions of Neighbourhood Area: Associations with Census Tract Area Size and Individual Characteristics*  
Mylene Riva
- 300-S *Coping Strategies and the Nutrition Related Non-communicable Chronic Diseases in Trinidad*  
Selby Nichols
- 301 *Mediating and Modifying Factors in the Relationship between Perceived Racial Discrimination and Coronary Artery Calcification*  
Kathryn Cardarelli
- 302-S *Neighborhood Effects and Sexually Transmitted Infection Rates in Chicago*  
Elizabeth Torrone
- 303 *Neighborhood Socioeconomic Characteristics and Weight Gain in U.S. Black Women*  
Julie Palmer
- 304-S *Perceived Stress and All-cause and Cause-specific Mortality*  
Naja Rod Nielsen
- 305 *Socioeconomic Gradients in Immune Response to Latent Infection: NHANES III*  
Jennifer Dowd
- 306 *Childhood Socioeconomic Position in Relation to Cancer: Evidence from a Canadian Population-based Case-control Study*  
Belinda Nicolau
- 307 *Socioeconomic Characteristics and Lung Function: The MESA Lung Study*  
Gina Lovasi
- 308 *WITHDRAWN*
- 309 *Socioeconomic Gradient in Markers of Endothelial Dysfunction*  
Nalini Ranjit
- 310 *The Association between Experiences and Perceptions of Racism and Cumulative Weight Gain in U.S. Black Women*  
Yvette Cozier
- 311 *Relation between Neighborhood Socioeconomic Characteristics and Mortality in U.S. Black Women*  
Yvette Cozier
- 312 *The Association of Abuse and Urologic Symptoms*  
Carol Link
- 313 *The Relative Contribution of Population Aging and Obesity to the Future Burden of Urologic Disease*  
Carol Link
- 314 *The Link between Floor of Residence and Body Mass Index: A Pan-European Population-based Study*  
Margaret Frye
- 315 *The Association between Family Income and Biological Risk Markers for Coronary Heart Disease in the U.S.: A Population-based Study (U.S. Third National Health and Nutrition Examination Survey (NHANES III), 1988-1994)*  
David Rehkopf
- 316 *Community Occupational Structure and Neighborhood Obesity in New York City*  
Jackson Sekhobo
- 317-S *Use of Different Modes of Transportation to Travel to School in a Representative Population-based Sample of Children and Adolescents, 1999*  
Roman Pabayoy
- 318 *What Social Epidemiologists Should (and Sometimes Do) Mean by Fundamental Cause*  
Andrew Ward
- 319 *Asian American Ethnicity and Risk of Bronchial Asthma*  
James Chen
- 320 *Amount of Alcohol Consumption and Risk of Developing Alcoholism in Men and Women*  
Trine Flensburg-Madsen

## Wednesday, Poster Session 2

### SUBSTANCE ABUSE

- 321 *Gender Differences in Psychosocial Mediators of the Impact of Acculturation on Adolescent Substance Abuse in Florida*  
Gilbert Saint-Jean
- 322 *Racial and Ethnic Differences in Stigma towards People with Alcohol Use Disorders*  
Sharon Smith
- 323 *Recreational Drug Use and CD4/CD8 T lymphocyte Subpopulations in Men with and without HIV Infection*  
Chun Chao

### WOMEN'S HEALTH

- 324 *Estimating the Prevalence of Postmenopausal Osteoporosis among Saudi Arabian Women Using Dynamic Simulation*  
William Greer
- 325-S *Age at Menarche and Adult BMI in a Multi-ethnic Urban Population*  
Andrea Deierlein
- 326-S *Anti-inflammatory Drug Use and Serum Estradiol in Postmenopausal Women*  
Alana Hudson
- 327-S *Body Mass Index, Weight Gain, and Incident Urinary Incontinence in Middle-aged Women*  
Mary Townsend
- 328 *Condom Use and Bacterial Vaginosis: Cross-sectional vs. Case-crossover Approaches*  
Katherine Hutchinson
- 329-S *Corrected Hysterectomy Rates in the United States*  
Annah Layman
- 330 *Depressive Symptoms among Female College Students Experiencing Gender-based Violence*  
Bizu Gelaye
- 331 *Modifiable Risk Factors Associated with Hypertension in Women 50 Years and Older: Results from the 2005 Los Angeles County Health Survey*  
Vichuda Lousuebsakul
- 332-S *Prevalence and Risk Factors of Gender Based Violence among Female College Students in Awassa, Ethiopia*  
Dodie Arnold
- 333 *Prevalence, Types and Patterns of Intimate Partner Violence among Pregnant Women in Lima, Peru*  
Swee May Cripe
- 334 *Reproductive Outcomes among Cosmetologists in Maryland*  
Lisa Gallicchio
- 335 *Socioeconomic Status and Time to Natural Menopause*  
Candyce Kroenke
- 336 *The Influence of Life-style Factors on Mortality in the Black Women's Health Study*  
Lynn Rosenberg
- 337 *Is Bone Lost during Use of Injectable Progestin Contraceptives Regained after Cessation of Use?*  
Margaret Hoffman
- 338 *Cigarette Smoking and Risk of Incidence Premenstrual Syndrome*  
Elizabeth Bertone-Johnson

## Thursday, June 21, 2007

- 8:00 – 9:00 a.m. **SER-Student Caucus Sponsored Breakfast Roundtables**
- 8:00 – 9:00 a.m. **Continental Breakfast**
- 8:00 a.m. – 5:30 p.m. **Registration**
- 9:00 - 10:00 a.m. **Presidential Address and Lilienfeld Student Prize Address** **IMPERIAL BALLROOM**  
**“Why Are So Many Epidemiology Studies Wrong: Reflections on the State of Our Science”**  
Michael Bracken, MD,
- “Does Advanced Maternal HIV Disease Stage Increase Infant Mortality among HIV-Exposed Children Mediated through Breastfeeding?”**  
Matthew Fox
- 10:00 – 10:30 a.m. **Break and Poster Session 2 Judging** **GEORGIAN**
- 10:30 a.m. - 12:00 noon **Spotlight Sessions 3**
- AGING: METHODS AND INTERVENTIONS**  
**Session Chair: Mary Haan** **BERKELEY/CLARENDON**
- 339 *Neighborhood Ethnicity and All Cause Mortality in Older Latinos: Results from the Sacramento Area Latino Study on Aging (SALSA)*  
Mary Haan
- 340 *Vascular Calcification and Risk of Hip Fracture: The Framingham Study*  
Elizabeth Samelson
- 340 *No Evidence for a Black-White Mortality “Crossover” among African-American and White Male Veterans Ages 85+*  
Elizabeth Lawler
- 341 *Body Composition and Bone Mineral Density: Threshold Effects in a Racially and Ethnically Diverse Group of Men*  
Thomas Travison
- 343 *Disability among Elderly Mexicans in the United States: The Case of the 0.25 Generation and Beyond*  
Mercedes Rubio
- BIRTH DEFECTS - THE SEARCH FOR PREVENTABLE CAUSES**  
**Session Chair: Allen Wilcox** **PLAZA BALLROOM**
- 344 *Which Birth Defects are More Susceptible to Variation in Diagnostic Practice?*  
Peter Langlois
- 345 *Periconceptional Use of Weight-loss Products and the Association with Birth Defects*  
Rebecca Bitsko
- 346 *Antihistamine Use during Pregnancy and Risk of Birth Defects: Results from the National Birth Defects Prevention Study (NBDPS), 1997-2002*  
Suzanne Gilboa
- ENVIRONMENTAL EPIDEMIOLOGY OF CHILDHOOD OUTCOMES**  
**Session Chair: Francine Laden** **ARLINGTON**
- 347-S *Drinking Water Disinfection By-products and Preterm Birth*  
Caroline Hoffman
- 348-S *Residential Pesticide Use and Childhood Hematopoietic Malignancies: The ESCALE Study*  
J  r  mie Rudant
- 349 *Age of Housing and Risk of Childhood Acute Lymphoblastic Leukemia (ALL)*  
Frank Groves
- 350-S *Contribution of Early Lead Exposure and Prenatal Polychlorinated Biphenyls (PCBs) to ADHD-Like Behaviors in Childhood*  
Sharon Sagiv

## Thursday, Spotlight Sessions 3

### GYRES AND IGNORANCE PLAGUE THE STUDY OF DRUGS

**Session Chair:** Alec Walker

**IMPERIAL BALLROOM**

Introduction: *When the Effect Can also Cause the Cause: Teasing out Pathways with Partial Data and Potentially Chronic Therapy*

Alec Walker

- 351-S *A Statistical Method for Using Measured Confounders to Model Uncertainty from Unmeasured Confounding*  
Lawrence McCandless
- 352 *Observational Studies Analyzed Like Randomized Trials: The Intention to Treat Effect of Drug Use*  
Alvaro Alonso
- 353 *Toward a Framework for External Adjustment Formulas for Unmeasured Confounding*  
Onyebuchi Arah

### INVESTIGATING THE ETIOLOGIES OF CANCER SUBTYPES

**Session Chair:** Noel Weiss

**TERRACE**

- 354-S *Risk Factors for Sporadic Microsatellite Stable and Unstable Endometrial Cancer Differ*  
Ernest Amankwah
- 355 *Alcohol Intake Increases Risk of Mucinous Epithelial Ovarian Cancer: A Meta-analysis*  
Linda Kelemen
- 356 *Reproductive Factors and Hormone Use in Non-Hodgkin Lymphoma*  
Jennifer Lee
- 357 *Differential Risk Factors for Head and Neck Squamous Cell Carcinomas with and without Human Papillomavirus Infection*  
Gypsyamber D'Souza

### SOCIAL DETERMINANTS OF HEALTH

**Session Chair:** Lisa Berkman

**STANBRO**

- 358 *Socioeconomic Gradient in Burden of Infections Implicated in Cardiovascular Disease*  
Allison Aiello
- 359-S *Determinants of Post-traumatic Stress Disorder after a Mass Trauma in the Context of Chronic Low-intensity Conflict: Evidence from Halabja, Iraq*  
Marta Prescott
- 360-S *Neighborhood Characteristics and CHD Risk in a Multi-ethnic Sample*  
Mahasin Mujahid
- 361 *Immigrant Enclaves, Neighborhood Social Stressors, and Hypertension among Aging Latinos*  
Theresa Osypuk
- 362 *Policing, Disorder and Homicide in New York City in the 1990s: Exploring Relationships within Spatially-Embedded Contexts*  
Magdalena Cerda
- 363 *The Neighborhood Social Environment and Risk of Smoking*  
Jennifer Ahern

12:00 – 1:30 p.m.

**Lunch (on your own)**

12:15 – 1:15 p.m.

**Lunchtime sessions**

### THE ROLE OF THE EPIDEMIOLOGIST IN THE MULTIDISCIPLINARY RESEARCH ENVIRONMENT

**Presenter:** Mark Klebanoff

**CAMBRIDGE**

**Roundtables (by ticket only)**

1:30 - 3:00 p.m.

**Symposia 2**

- 364 **EDUCATION IN EPIDEMIOLOGY: CHANGING NEEDS FOR CHANGING TIMES**  
**Session Chair:** Jonathan Samet and David Savitz **PLAZA BALLROOM**
- 365 *Primary Data Collection: What Should Well-trained Epidemiologists Students be Able to Do?*  
Julie Buring
- 366 *Teaching Epidemiologic Methods*  
Stephen J Gange

## Thursday, Symposia 2

- 367 *Emerging Technologies: How do we Prepare Students to Understand and Make Appropriate Use of Them?*  
Frederica P Perera and Julie B Herbstman
- (Sponsored by: The Editors of EPIDEMIOLOGY)
- 368 **EPIDEMIOLOGISTS AT THE HEART OF A CRISIS: THE SAFETY OF PRESCRIPTION MEDICINES**  
**Session Chair:** Michele Jara **BERKELEY/CLARENDON**
- 369 *The Physician's Role in Drug Safety*  
Jerry Avorn
- 370 *FDA's Role in Drug Safety*  
David Graham
- 371 *Recommendations for Improving Drug Safety*  
Curt Furberg
- 372 **EXPANDING ROLES OF MATHEMATICAL MODELING IN EPIDEMIOLOGICAL RESEARCH**  
**Session Chair:** James S Koopman **TERRACE**
- 373 *Epidemiological Applications of Mathematical Modeling*  
Kathryn H Jacobsen
- 374 *Potential New Applications of Mathematical Modeling in Epidemiological Research*  
Ximin Lin
- 375 *Infection Acquisition Dynamics during Environmentally Mediated Transmission*  
James S Koopman
- 376 **INSTRUMENTAL VARIABLES IN OBSERVATIONAL DATA: CAN WE FIND THEM AND WILL THEY IMPROVE CAUSAL INFERENCE**  
**Session Chair:** M Maria Glymour **IMPERIAL BALLROOM**
- 377 *Compulsory Schooling Laws and Old Age Cognitive Function*  
Maria Glymour
- 378 *Estimating Drug Treatment Effects Using a Physician Prescribing Preference as an Instrumental Variable*  
Jeremy Rassen
- 379 *Using Empirical Data and Subject-matter Knowledge to Explore the Plausibility of the Instrumental Variable Assumptions*  
Alan Brookhart
- 380 *Mendelian Randomization Examples in Cardiovascular Epidemiology*  
Robert J Glynn
- Discussant:** Joshua Angrist (Dept of Economics, Massachusetts Institute of Technology)
- 381 **INTERMEDIATE MARKERS IN BREAST CANCER: SURROGATES OR SUBTERFUGE**  
**Session Chair:** Amy Trentham-Deitz **STANBRO**
- 382 *When Risk Begins: Pre- and Post-natal Determinants of Breast Cancer Risk*  
Mary Beth Terry
- 383 *When Risk Changes (Or Does It?): Challenges of Mapping Changes in Mammographic Breast Density to Changes in Breast Cancer Risk*  
Diana SM Buist
- 384 *Endogenous Hormones as Markers of Breast Cancer Risk*  
Sue Hankinson
- 385 *Carcinoma in Situ of the Breast: True Precursor or Marker of Increased Risk?*  
Amy Trentham-Dietz
- OVERCOMING METHODOLOGICAL CHALLENGES IN IDENTIFYING CAUSES OF BIRTH DEFECTS**  
**Session Chair:** Peggy Honein **ARLINGTON**
- 386 *Overcoming Methodological Challenges in Identifying Causes of Birth Defects*  
Peggy Honein
- 387 *Improving Retrospective Ascertainment of Medication Exposures during Pregnancy*  
Martha Werler
- 388 *Assessing Occupational Exposures in Studies of Major Birth Defects*  
Christine Lawson

## Thursday, Spotlight Sessions 4

- 389 *Adjustment for Multiple Results in a Hypothesis-generating Study of Maternal Antihistamine Use and Birth Defects*  
Matthew J Strickland
- 390 *An Assessment of Exposure Misclassification and Selection Bias in the National Birth Defects Prevention Study*  
Andrew F. Olshan

3:00 – 3:30 p.m.

**Break**

3:30 - 5:00 p.m.

**Spotlight Sessions 4**

### ASSESSING MELANOMA RISK AND COST

**Session Chair:** Marianne Berwick

**PLAZA BALLROOM**

- 391 *Assessing Melanoma Risk*  
Marianne Berwick
- 392 *Use of Tanning Equipment and Risk of Multiple Melanoma in Ontario, Canada: A Case-multiple-Case Study for the Genes, Environment and Melanoma (GEM) Study*  
Maria Chiu
- 393 *Single Nucleotide Polymorphisms (SNPs) in Vitamin D Receptor (VDR) Gene and Serum 25-hydroxyvitamin D levels*  
Lisa Bodnar
- 394 *Carbaryl Exposure and Incident Cancer in the Agricultural Health Study*  
Rajeev Mahajan
- 395 *Nationwide Hospitalization Costs of Skin Melanoma and Nonmelanoma Skin Cancer in Germany*  
Andreas Stang

### CHILDHOOD ASTHMA

**Session Chair:** Michael Bracken

**TERRACE**

- 396 *Chronic Exposure to Ambient Ozone and Asthma Hospital Admissions among Children*  
Xiu Liu
- 397-S *Air Pollution, Traffic Exposure and Respiratory Symptoms in Asthmatic Children Residing in Mexico City*  
Albino Barraza-Villarreal
- 398 *Inverse Associations of Helicobacter Pylori with Asthma and Allergy*  
Yu Chen
- 399-S *History of Allergy and Reduced Incidence of Colorectal Cancer: Iowa Women's Health Study*  
Anna Prizment
- 400 *History of Allergic Diseases and Risk of Cancer*  
Marie-Claude Rousseau

### NOVEL STATISTICAL ANALYSES IN EPIDEMIOLOGY

**Session Chair:** Heping Zhang

**IMPERIAL BALLROOM**

- 401 *Poisoning Decision Rules Using CART*  
Howell Sasser
- 402 *Pediatric Non-automobile Motorized Vehicle-related Injuries*  
Christy Collins
- 403-S *Modeling Genetic Polymorphisms and Sickle Cell Associated Vasoocclusive Events Using Classification and Regression Trees (CART) and Random Forrest (RF)*  
Vikki Nolan
- 404 *Using Random Forests to Understand the Relative Importance of Income for Predicting Cardiovascular Risk Factors: Evidence Using Data from the National Health and Nutrition Examination Survey, 2003-2004*  
David Rehkopf

### OCCUPATION AND CANCER

**Session Chair:** Noel Weiss

**STANBRO**

- 405 *Increased Risk of Hematopoietic Malignancies in a Historical Cohort of Upstream Petroleum Workers in Norway*  
Jorunn Kirkeleit
- 406 *Occupational Exposure to Asbestos and Man-made Vitreous Fibers, and Risk of Lung Cancer: Evidence from Two Case-control Studies in Montreal, Canada*  
Javier Pintos
- 407-S *Occupational Exposure to Pesticides and Risk of Adult Brain Tumors*  
Claudine Samanic
- 408 *Lung Cancer Risk from Selected Occupational Chemicals*  
Franco Momoli

## Thursday, Spotlight Sessions 4

### THE CAUSES AND CONSEQUENCES OF PSYCHIATRIC ILLNESS

Session Chair: Sandro Galea

ARLINGTON

- 409 *Cerebral White Matter Lesions and Risk of Dementia. The 3C-Dijon Study*  
Carole Dufouil
- 410 *Relationships between Community Violence and Posttraumatic Stress on Children's Diurnal Cortisol Rhythms*  
Shakira Franco Suglia
- 411 *Ongoing Exposure to Terrorism and the Risk of Depressive Symptoms during the Al Aqsa Intifada in Israel*  
Melissa Tracy
- 412 *Maternal Periconceptional Illicit Drug Use and Birth Defects*  
Jennita Reefhuis
- 413 *Psychiatric Illness and Virologic Response in Patients Initiating Highly Active Antiretroviral Therapy*  
Brian Pence
- 414-S *Applying Alternative Propensity Score Techniques to Test whether Marijuana Problems cause Depression*  
Valerie Harder

### LATEBREAKER SESSION 2

Session Chair: Polly Marchbanks

BERKELEY/CLARENDON

- 3:30 p.m. *Residential Mobility during Pregnancy in Atlanta*  
Assia Miller
- 3:40 p.m. *Association between Mothers' Use of Traditional Healers and Immunization among Haitian Children*  
Emmanuel Rudatsikira
- 3:50 p.m. *Prostate Cancer Mortality in Relation to Screening by Prostate-specific Antigen Testing and Digital Rectal Examination: A Population-Based Study in Middle-Aged Men*  
Ilir Agalliu
- 4:00 p.m. *C-Reactive Protein and Colorectal Cancer Risk: A Systematic Review of Prospective Studies*  
Konstantinos Tsilidis
- 4:10 p.m. *Body Mass Index may Underestimate Body Fat Percentage in Young Adult Women*  
Sofija Zagarins
- 4:20 p.m. *Association between Dietary Glycemic Index, Glycemic Load and High-Sensitivity C-Reactive Protein*  
Jennifer Griffith
- 4:30 p.m. *Effect of Dietary Isoflavone Intake on Sex Steroid Levels*  
Mei-Hua Huang
- 4:40 p.m. *Dietary Supplement Use and Atherosclerosis Progression in Postmenopausal Women with Established Heart Disease*  
Fumiaki Imamura
- 4:50 p.m. *Wrap-up*

5:00 - 6:00 p.m.

### Poster Session 3

GEORGIAN

#### BIOMARKERS

- 415 *Allostatic Load and Physical Function in the Third National Health and Nutrition Examination Survey (NHANES III)*  
Michael Walsh
- 416-S *Analgesic Use and Sex Steroid Hormone Concentrations in Postmenopausal Women*  
Margaret Gates
- 417-S *Plasma and Erythrocyte Biomarkers of Dairy Fat Intake and Risk of Coronary Heart Disease*  
Qi Sun
- 418 *Pyuria is Not an Accurate Predictor of Urinary Tract Infection (UTI) Accompanying Acute Urolithiasis*  
Anusha Krishnadasan
- 419-S *Reliability of Serum Cytokines and Growth Factors over a Two-year Period in Healthy Middle-aged Women*  
Yian Gu
- 420 *Toenail nicotine levels as predictors of coronary heart disease (CHD) among women*  
Wael Al-Delaimy

#### CARDIOVASCULAR

- 421-S *Forty-year Trends in Myocardial Infarction Incidence by Diagnostic Method: Electrocardiogram Versus Biomarkers*  
Nisha Parikh
- 422 *Arterial Stiffness and Waist Circumference Independent of Hip Circumference as a useful Indicator of Abdominal Obesity*  
Minjung Ko
- 423 *Association of Dietary Glycemic Index and Dietary Glycemic Load with Cardiovascular and All-cause Mortality among Men with Established Cardiovascular Disease*  
Emily Levitan

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

### Thursday, Poster Session 3

- 424 *Association of Endothelial Dysfunction with Cognitive Impairment in Community-dwelling Elderly*  
Paul Targonski
- 425 *Did the Incidence of Hemorrhagic Stroke Change following Withdrawal of Phenylpropanolamine from the U.S. Market?*  
Joseph L. Lyon
- 426-S *Evidence for Association between UTS2R and Systolic Blood Pressure under a Chromosome 17 Linkage Peak among American Indians: The Strong Heart Family Study*  
Nora Franceschini
- 427-S *Evidence that Treatment Has Altered the Natural History of Blood Pressure Progression and the Relation of Blood Pressure to Outcome*  
Erik Ingelsson
- 428-S *Heart Disease in Vietnam-Era Veterans: A 14-Year follow-up of American Legionnaires*  
Carrie Tomasallo
- 429-S *Insights into the Changing Prevalence of Obesity and Hypertension in U.S. Adults*  
Jacqueline Wright
- 430 *Monthly Fluctuations of Stroke Mortality at the Tropic of Capricorn*  
Paulo Lotufo
- 431-S *Multiple Imputation for Body Mass Index in the General Practice Research Database*  
Joseph Delaney
- 432 *Dietary Quality among Adults with Coronary Heart Disease*  
Yunsheng Ma
- 433 *Oxidation Diabetes and Coronary Heart Disease a Complex Interaction: Findings from a Population Based Study*  
Maurizio Trevisan
- 434-S *Racial Disparities in Hypertension Awareness, Treatment and Control in the Exploring Health Disparities in Integrated Communities Study*  
Roland Thorpe
- 435 *Ethnic Differences in Religious Beliefs among Stroke Cases*  
Lynda Lisabeth
- 436-S *Religious Involvement and Coronary Artery Calcification*  
George Fitchett
- 437-S *Risk of Coronary Heart Disease Death among Blacks and Whites: A Meta-analysis of Four U.S. Cohorts*  
Christine Walters
- 438 *Sarcoidosis and Cardiovascular Disease in U.S. Hospital Discharges: New Information Relevant to Screening for Cardiac Sarcoidosis in the U.S.*  
Ava Stanley
- 439 *Sedentary Behaviors and the Risk of Incident Hypertension: the SUN Cohort*  
Alvaro Alonso
- 440 *Self-reported & Measured Body Mass Index in Relation to Incident Coronary Heart Disease*  
Dexter Canoy
- 441 *Serum Lipids and Lipoproteins Levels in U.S. Adults, NHANES 1976-2004*  
David Lacher
- 442 *Systemic Hypertension Predicts Alcoholic Cirrhosis*  
Cynthia Morton
- 443 *Temporal Trends in Myocardial Infarction Case Fatality Rates among the Elderly in the U.S.*  
Gregory Wellenius
- 444 *Threshold Effects of Meteorological Conditions on Health Outcomes in New York City*  
Shao Lin
- 445 *Modeled Fewer Current and Future Coronary Heart Disease Deaths Attributable to Reduced Smoking Prevalence in Massachusetts from 1993 onwards*  
Zubair Kabir
- 446 *Daily Siesta, Cardiovascular Risk Factors and Measures of Subclinical Atherosclerosis: Results of the Heinz Nixdorf Recall Study*  
Andreas Stang
- 447 *Fasting and Postchallenge Hyperglycemia and Risk of Cardiovascular Diseases in Ethnic Chinese*  
Kuo-Liong Chien
- ENVIRONMENTAL**
- 448 *Air Pollution and Race Disparities in Hypertension*  
Derek Johnson
- 449 *Air Pollution, Education and Mortality in Latin America*  
Marie O'Neill
- 450 *Association of Four Phthalate Metabolites with Body Mass Index and Waist Circumference in NHANES*  
Elizabeth Hatch

### Thursday, Poster Session 3

- 451-S *Arsenic Exposure, Urinary Chemical and Microscopic Parameters, and Risk of Premalignant Skin Lesions in Bangladesh*  
Maria Argos
- 452-S *Association between Hypercholesterolemia and Prostate Cancer: A Case-control Study, 2004-2006*  
Lindsay Magura
- 453 *Association of Arsenic Exposure from Drinking Water with Plasma Levels of Soluble Intercellular Adhesion Molecule-1 (sICAM-1) and Soluble Vascular Adhesion Molecule-1 (sVCAM-1) in Patients with Arsenic-related Skin Lesions*  
Yu Chen
- 454 *Characterizing Temperature and Mortality in Nine California Counties, 1999-2003*  
Rupa Basu
- 455-S *Does Contact with Sand at Beaches Increase the Risk of Illness?*  
Christopher Heaney
- 456-S *Fine Particulate Metal Exposures and Night Heart Rate Variability: Application of Energy Adjustment Methods*  
Jennifer Cavallari
- 457 *Folate Status and DDT*  
Lester Arguelles
- 458 *Heating, Ventilating, and Air-Conditioning Systems and Occupant Symptoms in U.S. Office Buildings: The US EPA BASE Study*  
Mark Mendell
- 459 *Outdoor Ozone Modifies Effects of Air Filter Medium on Building-related Symptoms in the US EPA BASE Study*  
Mark Mendell
- 460 *Scalp Hair and Urine Mercury Content of Children in the Northeast United States: The New England Children's Amalgam Trial*  
Julie Dunn
- 461 *The Effect of PM<sub>2.5</sub> on Hospital Admissions Rates by Season and Region*  
Keita Ebisu
- 462 *The Implications of Neighborhood Crime on Childhood Asthma Using a GIS*  
Sara Gale
- 463-S *Cooking Fumes and Breast Cancer Risk in a Prospective Cohort of Shanghai Women*  
Honghong Zhu
- 464-S *A Preliminary Analysis of Hazardous Air Pollutants and Lymphohematopoietic Cancer in Harris County, Texas, 1995-2003*  
Kristina Walker
- 465 *Traffic-related Air Pollution in Relation to Incidence of Coronary Heart Disease*  
Sally Picciotto
- 466 *Validation of Malondialdehyde in the Exhaled Breath as a Marker of Exposure to Traffic-related Pollutants in Asthmatic Children*  
Isabelle Romieu
- 467 *Canine Urinary Cotinine Level as a Biomarker of Household Tobacco Use*  
Elizabeth Bertone-Johnson
- GENETICS**
- 468 *A Non-synonymous Single Nucleotide Polymorphism in the Tumor Necrosis Factor-alpha Receptor 2 Gene and Breast Density*  
Gretchen Gierach
- 469 *Folate Metabolism Genes and the Risk of Orofacial Clefts*  
Abee Boyles
- 470 *Heterogeneity in the Association between Hypertension and a Common Variant of AGTRI: A Meta-analysis*  
David Shoham
- 471 *The Genetic Epidemiology of Body Mass Change from Adolescence to Young Adulthood: The National Longitudinal Adolescent Health Study*  
Kari North
- HIV**
- 472 *Formula Feeding and Breastfeeding Related Mortality among Children of HIV-1 Infected Women in Africa: A Meta-analysis*  
Moussa Sarr
- 473 *Clinical and Psychosocial Characteristics of HIV-infected Patients in the U.S. Deep South*  
Brian Pence
- 474 *Problems with Condom Use among Patients Attending Sexually Transmitted Disease Clinics: Prevalence, Predictors, and Relation to Incident Gonorrhea and Chlamydia*  
Lee Warner
- 475-S *Effect of Antiretroviral Class on Hepatotoxicity in HIV-infected Patients*  
Mary Ritchey

### Thursday, Poster Session 3

- 476-S *HAART and Incident Cancer/Non-cancer AIDS among Male HIV Seroconverters*  
Meredith Shiels
- 477-S *Multivariable Regression Analysis of Venue-based Samples of Men Who Have Sex with Men (MSM)*  
Karyn Heavner
- 478-S *Noncompliance Corrected Effect of HAART on AIDS Using Inverse Probability of Censoring Weights*  
Lauren Cain
- 479 *Positioning during Anal Sex and Sexual Risk in Gay Men*  
Seth Welles
- 480 *Survival of an AIDS Cohort in Thailand (2000-2005)*  
Chaitali Ghosh
- 481-S *Characterizing Physical Functioning among HIV+ and HIV- Women in the Women's Interagency HIV Study*  
Arpi Terzian

#### INFECTIOUS

- 482-S *Reassessment of Healthcare Associated Risk Factors for Hepatitis B and C Infections in Karachi, Pakistan*  
Muhammad Younus
- 483-S *A Random Effects Poisson Analysis of Individual and Household Level Factors Associated with Malaria Incidence in Kebele 11, Nazareth, Ethiopia*  
Ingrid Peterson
- 484 *Causal Modeling in Observational Databases and the Evaluation of Safety Signals: Gatifloxacin and Hypoglycemia*  
Robertino Mera
- 485 *Cytomegalovirus Infection in U.S. School-aged Children*  
Stephanie Staras
- 486 *Descriptive Epidemiology of Valley Fever in Southern California Kaiser Permanente Members*  
Daniel Strickland
- 487-S *Determinants for Spontaneous HBsAg Seroclearance in Persons with Chronic Hepatitis B Virus Infections*  
Bianca Malcolm
- 488 WITHDRAWN
- 489 *Frequency of Respiratory Virus in Mild and Severe Acute Respiratory Tract Infection (ARI) in Children*  
Dirce Maria Zanetta
- 490 *Infection Acquisition Dynamics and Timing of Exposure Doses*  
James S Koopman
- 491-S *Otitis Media in a Population-based Birth Cohort from British Columbia, Canada*  
Elaina MacIntyre
- 492-S *Predictors of Methicillin-resistant Staphylococcus Aureus (MRSA)-directed Empiric Therapy for Suspected Bacteremia*  
Marin Schweizer
- 493-S *Predictors of Nosocomial, Health Care-associated, and Community-acquired Bloodstream Infections in SCI*  
Charlesnika Evans
- 494 *Primary Physicians' Knowledge and Attitude toward Disease Reporting in Taiwan*  
Hsiu-Fen Tan
- 495-S *Recent Trends in Borrelia burgdorferi Infections in Small Mammal Hosts and Tick Vector in an Endemic Area, Lunenburg, Nova Scotia*  
Jennifer Georgieff
- 496 *Sensitivity of National Notifiable Disease Surveillance System in Taiwan, 2003-2004*  
Hung-Fu Tseng
- 497 *Socioeconomic and Environmental Factors Associated to Montenegro Skin Test Positivity in Teresina, Brazil*  
Guilherme Werneck
- 498-S *Effect of Antibiotics Taken for Other Illnesses on Spontaneous Clearance of H. pylori Infection in Children*  
Cheryl Broussard
- 499-S *Spontaneous Clearance of Helicobacter pylori Infection in a U.S.-Mexico Birth Cohort*  
Cheryl Broussard
- 500-S *The Association of Gender and Age with Inflammation around Neurocysticercosis Cysts*  
Elizabeth Kelvin
- 501 *The Epidemiology of Breakthrough Disease following the Introduction of Varicella Vaccine in Alberta*  
Laura McDonald

#### INJURY

- 502-S *An Epidemiologic Comparison of Pediatric Freestyle and Greco-Roman Wrestling Injuries*  
Ellen Yard
- 503-S *Epidemiology of High School Wrestling Injuries*  
Ellen Yard
- 504 *Injuries Sustained by High School Baseball Players when Hit by a Batted Ball*  
Christy Collins

## Thursday, Poster Session 3

- 505-S *Children's Agricultural Injury: Associations between Behavioral Traits and High-Risk Work Exposures*  
Kathleen Carlson
- 506-S *Intra-familial Risk of Agricultural Injury in the Regional Rural Injury Study-II: Beyond Behavioral and Environmental Risk Factors*  
Kathleen Carlson
- 507-S *Prescription Sleep Aids and Risk of Fall Injury*  
Russell Griffin
- 508-S *Prevalence and Risk Factors of Gender-based Violence Committed by Male College Students in Awassa, Ethiopia*  
Marc Philpart
- 509 *Time to Poisoning Death among Users of Prescription Methadone*  
Christina Porucznik
- 510 *Within-vehicle Technology for Case Identification in Motor Vehicle Collision Research*  
Gerald McGwin, Jr
- 511 *Physical Pain (PP) and Mental Status (MS) Mediate Recovery of Physical Function (PF) following Trauma Fracture (TF)*  
Michael Walsh

### NUTRITION

- 512 *Racial and Seasonal Differences in Maternal Vitamin D Status in Sera Frozen for 40 years*  
Lisa Bodnar
- 513 *Neighborhood Fast Food Concentration, Location of Grocery Stores and Body Mass Index*  
Sanae Inagami
- 514 *Growth over Childhood and Ischemic Heart Disease Mortality in Men*  
Aviva Must
- 515 *Body Mass Index and Risk of Hospitalization for Bronchial Asthma*  
Rajeeva Ranga
- 516 *Alcohol Drinking Pattern and Subsequent Changes in Waist Circumference*  
Janne Tolstrup
- 517 *Diet and Heart Failure Risk in the Atherosclerosis Risk in Communities (ARIC) Study*  
Jennifer Nettleton
- 518-S *Eating Out and Weight Gain in a Mediterranean Population: The SUN Study*  
Maira Bes-Rastrollo
- 519-S *Role of Vegetables and Fruits in Mediterranean Diets to Prevent Hypertension*  
Maira Bes-Rastrollo
- 520 *Household Food Insecurity and Central Obesity in Adults*  
Stephanie Rutledge  
*WITHDRAWN*
- 522 *Lifestyle and Mortality: 22 years of follow-up in U.S. Women*  
Rob van Dam
- 523 *Low Vitamin B12 is Associated with Increased Hip Fracture Risk among Elders: The Framingham Study*  
Robert McLean
- 524 *Nutrient Intake Comparison between Food Frequency Questionnaires and Food Records in Women with Breast Cancer*  
Lawrence Kushi
- 525 *Gender, Race/Ethnicity, Neighborhood Socioeconomic Status and Diet*  
Tamara Dubowitz
- 526 *Serum One-Carbon Metabolism Factors and Risk of Colorectal Cancer*  
Stephanie Weinstein
- 527 *Risk Factors for Anemia in South Indian Primary School Children*  
Martha Montgomery

### OCCUPATIONAL

- 528 *Pesticide Use and Incident, Self-reported Retinal Degeneration in the Agricultural Health Study*  
Martha Montgomery
- 529-S *Arterial Stiffness and Occupational Exposure to Fine Particulate Matter*  
Shona Fang
- 530-S *Masking and Misclassification: Cancers of the Renal Pelvis and Ureter*  
Jennifer Hauser
- 531 *Firefighter Risk for Trauma Exposure & DSM-IV PTSD*  
Philip L Reed
- 532-S *Surveillance of Workplace Violence against Healthcare Workers: Worker Characteristics*  
Rakel Kling
- 533-S *Characterizing Worker Incidents of Psychological Trauma in British Columbia Healthcare Facilities*  
Rakel Kling
- 534-S *Carpal Tunnel Syndrome and Associated Personal Factors in a Cohort at Baseline*  
Matthew Thiese

### Thursday, Poster Session 3

- 535-S *Carpal Tunnel Syndrome and Associated Psychosocial Factors in a Cohort at Baseline*  
Matthew Thiese
- 536 *Lung Cancer Mortality among Employed U.S. Women by Industry Sector*  
Cynthia Robinson
- 537-S *Surveillance of Concurrent Hearing and Visual Impairment in U.S. Workers: The National Health Interview Survey, 1997–2004*  
Alberto Caban-Martinez
- 538-S *Female Veteran Breast and Gynecologic Cancer Mortality*  
Lara Savas

#### PHARMACOEPID

- 539 *A Pharmacoepidemiological Study of the Risk of Severe Hepatic Injury in users of Telithromycin and Larithromycin*  
Andrew McAfee
- 540 *A Risk Management Program for Ethinylestradiol/Drospirenone*  
Jeanne Loughlin
- 541 *Can Statins Prevent Colorectal Cancer?*  
Wilton Farwell
- 542-S *Initiation of Central Nerve System Stimulants (CNSS) Treatment for Newly Diagnosed Attention Deficit/Hyperactivity Disorders (ADHD) Children*  
Chih-Ying Chen
- 543-S *No Association between the Ser9Gly polymorphism on DRD3 and the Risk of Tardive Dyskinesia: A Meta-analysis of 2992 Schizophrenics*  
Huei-Ting Tsai
- 544 *Hospital Variation in Use of Secondary Preventive Medicine after Discharge for First Acute Myocardial Infarction during 1995-2004*  
Søren Rasmussen
- 545-S *Outcomes after Antibacterial Prophylaxis in Stem Cell Transplant Recipients: Cefazidime vs. Levofloxacin*  
Melissa Yong

## FRIDAY, JUNE 22, 2007

7:30 – 8:30 am **Continental Breakfast**

7:30 a.m. – 12:00 noon **Registration**

8:30 - 10:00 am **Symposia 3**

546 **ANALYSIS OF OUTCOMES MEASURED THROUGH MULTIPLE IMPERFECT SOURCES**  
**Session Chair:** Constantine Daskalakis **STANBRO**

*Making Sense of Discordant Reports Using Manifest Outcome Methods*  
Nicholas J Horton (Smith College)

*Latent Class Models for Multivariate Epidemiological Endpoints*  
Melanie M Wall (University of Minnesota)

**Discussant:** Constantine Daskalakis (Thomas Jefferson University)

547 **BENEFITS AND RISKS OF GIS IN ETIOLOGIC RESEARCH**  
**Session Chair:** Theodore R Holford **TERRACE**

548 *Using Geographic Information Systems (GIS) for Exposure Assessment in Environmental Epidemiology Studies of Cancer*  
Mary H Ward

549 *Remote Sensing (RS) and Geographic Information Systems (GIS) Applications in Infectious Disease Epidemiology*  
Durland Fish

550 *Integrated Traffic Exposure Model Using GIS in Environmental Epidemiology*  
Theodore R Holford

551 **DESIGN AND ANALYSIS OF LONGITUDINAL STUDIES IN EPIDEMIOLOGIC RESEARCH**  
**Session Chair:** Donna Spiegelman **PLAZA BALLROOM**

552 *How Many Subjects and How Many Measurements? – The Design of Longitudinal Studies in Epidemiology*  
Donna Spiegelman

553 *Generalized Estimating Equations (GEEs) and Random Effects Models for Longitudinal Data: Which One to Use?*  
Xihong Lin

554 *Confounding by Subject and by Cluster in Hierarchical (Multi-level) Random-effects Models for Longitudinal Data*  
A Russell Localio

555 **RACE/ETHNICITY, SOCIAL CONTEXT, AND PSYCHOSES**  
**Session Chair:** Ezra Susser and David Williams **BERKELEY/CLARENDON**

556 *Race and Risk of Schizophrenia in a U.S. Birth Cohort: Findings and Future Directions*  
Dana March and Michaeline Bresnahan

557 *Social Experience, Ethnicity, and Psychosis*  
Craig Morgan

558 *Discrimination, Ethnic Density, and the Incidence of Psychotic Disorders*  
Wim Veling

559 *A Review of the Socio-spatial Epidemiology Findings from the AESOP Study: Implications and Future Directions for Psychoses*  
Peter Jones

**Discussant:** Stephani Hatch (Institute of Psychiatry, King's College London)

560 **The Relationship between Child and Adult Exposure to Interpersonal Violence and Subsequent Physical and Psychological Health**  
**Session Chair:** Lise E Fried and Megan Gerber **ARLINGTON**

561 *Measuring Quality of Life in Intimate Partner Violence*  
Eve Wittenberg

562 *Health Effects of Violence across Racial and Ethnic Groups*  
Hortensia Amaro

563 *A Predictive Model to Identify Women with Injuries Related to Intimate Partner Violence*  
Leslie R Halpern

## Friday, Spotlight Sessions 5

10:00 – 10:30 a.m.	<b>Break and Poster Session 3 Judging</b>	<b>GEORGIAN</b>
10:30 a.m. – 12:00 noon	<b>Spotlight Sessions 5</b>	
	<b>ASSESSING GENETIC SUSCEPTIBILITY: HOW HARD CAN IT BE?</b> <b>Session Chair:</b> Corinne Aragaki	<b>TERRACE</b>
564-S	<i>Interleukin-10 and Interferon Gamma Receptor-1 Polymorphisms and Lung Cancer in a Population-based Case-control Study</i> Sam Oh	
565-S	<i>Alcohol Consumption, Taq1B Polymorphism of Cholesteryl Ester Transfer Protein, High-Density Lipoprotein Cholesterol, and Risk of Coronary Heart Disease in Men and Women</i> Majken Karoline Jensen	
566	<i>Haplotype Relative Risk Estimation in Epidemiological Studies; New Methodology Applied to a Study of Smoking, Relevant Detoxification Genes and Oral Clefts in Norway</i> Rolv T. Lie	
567	<i>Higher Order Interaction: How do you Minimize Multiple Comparisons and Integrate Biological Pathways? One Approach.</i> Corinne Aragaki	
568	<i>Gene Expression Patterns in Lymphoblastoid Cell Lines are Associated with Age and Predict Mortality</i> Kerber Richard	
	<b>MAKING MEASURES MEASURABLE</b> <b>Session Chair:</b> Charles Poole	<b>PLAZA BALLROOM</b>
569	<i>Point and Interval Estimates of Partial Population Attributable Risks in Cohort Studies: Examples and Software</i> Ellen Hertzmark	
570	<i>Single Imputation to Control Unmeasured Confounding Using a Validation Study</i> Til Stürmer	
571	<i>Measuring the Impact of Poor Adherence to Treatment: Bias as a Result of Ignoring Time-Dependencies</i> Khajak J. Ishak	
572	<i>Understanding the Number Needed to Treat</i> Charles Poole	
	Discussant: James Robins	
	<b>MENTAL DISORDERS: SOCIAL DETERMINANTS AND METHODS</b> <b>Session Chair:</b> Rebecca Fuhrer	<b>BERKELEY/CLARENDON</b>
573-S	<i>Cross-sectional Associations of Neighborhood Characteristics and Depressive Symptoms</i> Christina Mair	
574-S	<i>Complexity of Work and Risk of Dementia: The Canadian Study of Health and Aging (CSHA)</i> Edeltraut Kröger	
575	<i>Major Depression and Mortality in a National Sample</i> Laura Pratt	
576	<i>Neighborhood Drinking Norms and Alcohol Drinking Patterns</i> Jennifer Ahern	
577	<i>Do Demographic Characteristics Modify Practice Effects on Neuropsychological Tests?</i> M. Maria Glymour	
578	<i>Discontinuation of Antidepressant Medication in Pregnancy and Postpartum Suicide Risk: A Population-based Cohort of 81,975 Women</i> Janet Hardy	
	<b>NOVEL RISK FACTORS FOR BREAST CANCER</b> <b>Session Chair:</b> Julie Palmer	<b>STANBRO</b>
579-S	<i>Community and Individual-level Socioeconomic Status and Breast Cancer Risk: Multi-level Modeling on Cape Cod, MA</i> Kate Hoffman	
580-S	<i>Consumption of Sweets and Breast Cancer Risk among Women on Long Island, NY</i> Patrick Bradshaw	
581-S	<i>Lifetime Dog Ownership, Urbanicity, and Risk Of Breast Cancer</i> Matthew Walsh	
582-S	<i>The Relation between Serum Cholesterol and Mammographic Density as a Risk Factor for Breast Cancer</i> Ame-Lia Tamburrini	

## Friday, Spotlight Sessions 5

### UNDERSTANDING THE SOCIAL CAUSES OF HEALTH AND DISEASE

**Session Chair:** Sandro Galea and Sherman James

ARLINGTON

- 583-S *The Association between Perceived Discrimination and Hypertension in African-Americans: The Pitt County Study*  
Calpurnya Roberts
- 584 *Are Residential Environment Effects on Blood Pressure Mediated by Body Weight and Abdominal Fat? A Multilevel Path Analysis of the PRIME Cohort*  
Basile Chaix
- 585 *Neighborhood Social and Structural Environment in Cities vs. Metropolitan Areas: How Separate are Distributions of Neighborhood Quality by Race?*  
Theresa Osypuk
- 586 *Socioeconomic, Behavioral, and Neighborhood Characteristics Associated with Physical Inactivity and Activity Levels among U.S. Children, 2003*  
Gopal Singh
- 587 *Does Timing of Health Care Explain Racial/Ethnic Disparities in Breast Cancer Stage at Diagnosis?*  
Garth Rauscher

12:00 noon

**Meeting Adjourned**