The Advances in Social Genomics Conference (TAGC)
June 8th-9th, 2023
Tripp Commons at the Memorial Union (800 Langdon St., Madison, WI, 53706)

Schedule (subject to change)

Day 1: Thursday, June 8th, 2023

- **9:00am** – Distinguished Speaker Presentation; Chair – Jason Fletcher (*University of Wisconsin-Madison*)
  - Dorothy Farrar (*University of Wisconsin-Madison*), “All of Us”
  ~Breakfast will be served~

- **10:00am** – **Session 1** – New Directions in Polygenic Score Analysis; Chair – James Li (*University of Wisconsin-Madison*)
  - Robel Alemu (*University of California-Los Angeles*), “Relative predictive performance of polygenic indexes (PGIs) across diverse ancestral populations”
  - Brooke Sasia (*University of Wisconsin-Madison*), “Examining a mechanism of polygenic scores on developmental trajectories of externalizing behaviors”
  - Wei Zhao (*University of Michigan*), “Examining direct and indirect genetic effects on depression in children and adolescents in the Panel Study of Income Dynamics (PSID)”
  ~15-minute break~

- **11:15am** – **Session 2** – Using Genetics to Answer Social Science Questions; Chair – Jason Fletcher (*University of Wisconsin-Madison*)
  - Marta Bilghese (*University of Southern California*), “The Influence of Assortative Mating on Studies of Education and Health”
  - Jonathan Beauchamp (*George Mason University*), “Adverse selection in insurance markets due to genetic prediction”
  - David Hugh-Jones (*unaffiliated scholar*), “Trading social status for genetics in marriage markets: evidence from Great Britain and Norway”

- **12:15pm** – Keynote Speaker Presentation
  - Kathleen Harris (*University of North Carolina-Chapel Hill*), Add Health in the Age of Social Genomics
  ~Lunch will be served~

- **1:30pm** – **Session 3** – Family Based Analysis; Chair – Qiongshi Lu (*University of Wisconsin-Madison*)
  - Tammy Tan (*National Bureau of Economic Research*), “Meta-analysis of family-based genome-wide association studies”
  - Junming Guan (*University of California, Los Angeles*), “Novel estimators for family-based genome-wide association studies increase power and robustness”
  - Yuchang Wu (*University of Wisconsin-Madison*), “Pervasive biases in GWAS using family history of Alzheimer’s disease as proxy phenotypes”
  ~15-minute break~
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- **2:45pm** – **Session 4** – Advances in Biological Aging; Chair – Lauren Schmitz (University of Wisconsin-Madison)
  - Jennifer Smith (University of Michigan), “Epigenetic Biomarkers of Socioeconomic Status are associated with Age-Related Chronic Diseases and Mortality in Older Adults”
  - Kyle Bourassa (Duke University), “Treatable health conditions during adolescence and accelerated aging at midlife”
- **4:00pm** – Conference Mixer at the Memorial Union Terrace
- **6:00pm** – Conference Dinner at Cooper’s Tavern (20 W. Mifflin St., Madison, WI, 53703)

Day 2: Friday, June 9th, 2023

- **9:00am** – Keynote Speaker Presentation; Chair – Jason Fletcher (University of Wisconsin-Madison)
  - Konrad Karczewski (Massachusetts General Hospital), Title TBD
  - Breakfast will be served
  - ~15-minute break~
- **10:15am** – **Session 5** – Biological Aging and EWAS; Chair – Lauren Schmitz (University of Wisconsin-Madison)
  - Eric Klopack (University of Southern California), “Development of a novel transcriptomic measure of aging: Transcriptomic Mortality-risk Age (TraMA)”
  - Connor Martz (University of Texas at Austin), “Primary School Context and Accelerated Epigenetic Aging in Black and White Children”
  - Lauren Opsanic (University of Michigan), “Epigenome-Wide Association Study of Long-term Psychosocial Stress in Older Adults”
  - ~15-minute break~
- **11:30am** – **Session 6** – Innovations in GxE; Chair – Qiongshi Lu (University of Wisconsin-Madison)
  - Evelina Akimova (University of Oxford), “Gene-X environment analysis supports protective effects of eveningness chronotype on self-reported and actigraphy-derived sleep duration among regular night shift workers in the UK Biobank”
  - Yeongmi Jeong (University of Georgia), “The Effect of Peers’ Genetic Predisposition to Depression on Own Mental Health”
  - Qiongshi Lu (University of Wisconsin-Madison), “Reimagining Gene-Environment Interaction Analysis for Human Complex Traits”
- **12:30pm** – Lunch break independently (local options will be suggested!)
- **1:30pm** – **Session 7** – New Directions in Social Genomics; Chair – James Li (University of Wisconsin-Madison)
  - Moiz Bhai (University of Arkansas at Little Rock), “The Effect of Scope of Practice Reform for Nurse Practitioners on Diabetic Costs”
  - Gabrielle Benoit (University of California, Santa Barbara), “Socio-demographic Patterning of Microplastic Burden in the U.S.”
- **2:30pm** – Conclusions and Group Discussion