Annual Symposium

Thursday, July 20th
Dana-Farber Cancer Institute - Smith Building, Room 308/309

8:30 - 9:00am  Registration & Breakfast

Session I - Opening Remarks and Introductions
9:00 - 9:25am  Marcello Pagano
Professor of Statistical Computing and Principal Investigator
Harvard T.H. Chan School of Public Health

Betty Johnson
Assistant Dean for Faculty and Staff Diversity, Development and Leadership
Harvard T.H. Chan School of Public Health

Eric Tchetgen Tchetgen
Professor of Biostatistics and Epidemiological Methods
Harvard T.H. Chan School of Public Health

Session II – Keynote Speaker
9:25 - 10:25am  Latent Variable Models: Applications in Aging and Obesity Prevention Studies
Knashawn H. Morales
Associate Professor of Biostatistics, Departments of Biostatistics and Epidemiology
University of Pennsylvania

Session III – Summer Program Research Project Presentations
10:25 - 10:45am  Controversy in Pharmacogenomics
Jace Gilbert, University of Nevada, Reno '17
Jeff Joseph, Bowdoin College '19
Daniel Meza, Monterey Bay State University '17

Faculty Mentor: Rafa Irizarry, Professor of Biostatistics, Dana-Farber Cancer Institute and Harvard T.H. Chan School of Public Health
Graduate Student Mentor: Sheila Gaynor, Harvard T.H. Chan School of Public Health

10:50 - 11:10am  Break & Refreshments

11:10 - 11:30am  Changes in Health-Related Quality of Life after Bone Marrow Transplantation for Severe Sickle Cell Disease
Danielle Baldwin, Hampton University '17
Reibin Hiraldo, Salem State University '17
Silvio Martinez, University of Florida '19

Faculty Mentor: Jukka-Pekka Onnela, Associate Professor of Biostatistics, Harvard T.H. Chan School of Public Health
Postdoc Mentor: Patrick Staples, Harvard T.H. Chan School of Public Health
PIPAELINES INTO BIOSTATISTICS

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11:35 - 11:55am  
Estimating and Understanding Gene Regulatory Networks  
Andrea Ovalle, Smith College '18  
Ula Widocki, The College of New Jersey '18

Faculty Mentor: John Quackenbush, Professor of Computational Biology and Bioinformatics, Harvard T.H. Chan School of Public Health  
Postdoc Mentor: John Platig, Harvard University, Dana Farber Cancer Institute

12:00 - 12:20pm  
Tracking air pollution from power plants: Mapping regulations to populations  
David Angeles, California State University, Northridge ‘18  
Alexandra Carruthers Ferrero, University of Puerto Rico – Río Piedras ’18  
Jovaniel Rodriguez Maldonado, University of Puerto Rico – Río Piedras ’19

Faculty Mentor: Cory Zigler, Assistant Professor of Biostatistics, Harvard T.H. Chan School of Public Health  
Postdoc Mentor: Chanmin Kim, Harvard T.H. Chan School of Public Health

12:25 - 12:45pm  
Machine Learning for Health Outcomes Prediction  
Alicia Dominguez, University of New Mexico ’17  
Julia Thome, Cornell College ’18  
Tyler Vu, California State University, Fullerton ‘18

Faculty Mentor: Sherri Rose, Associate Professor, Department of Health Care Policy, Harvard Medical School  
Graduate Student Mentor: Savannah Bergquist, Harvard University

Session IV – Summer Program Alumni Panel: Conversation Over Lunch

12:50 - 2:00pm  
Networking Lunch

Please take a moment to visit project posters of our recent alumni!

2:00 - 2:45pm  
Journeys in Biostatistics After the Summer Program  
Wen-kuni Ceant, Fulbright Scholar, Drexel University Dornsife School of Public Health  
Jeff Gardner, President & Principal Consultant, DataPharm Statistical & Data Management Services  
Portia Parker, SAS Analytical Tester  
DeJurana Richardson, Professor of Mathematics and Computer Science, Lake Forest College  
Ronnie Sebro, Assistant Professor of Radiology Musculoskeletal Imaging, Department of Radiology, University of Pennsylvania  
Marcia Tan, Postdoctoral Fellow in Cancer Prevention and Control, Northwestern University
Session V – Post-Baccalaureate Research Project Presentations

2:50 - 3:10pm  
**Viral Genetic Clustering by Poverty and Site in Black MSM**  
*Julia Kobe*, Wentworth Institute of Technology ‘17  
Post-Baccalaureate Program Participant

Faculty Mentor: **Victor De Gruttola**, Professor of Biostatistics, Harvard T.H. Chan School of Public Health  
Graduate Student Mentor: **Kamrine Poels**, Harvard T.H. Chan School of Public Health

3:15 - 3:35pm  
**The Impact of Air Pollution on Maternal Blood Pressure in the VIVA Cohort**  
*Christina Howe*, Simmons College ‘17  
Post-Baccalaureate Program Participant

Faculty Mentor: **Brent Coull**, Professor of Biostatistics and Associate Chair of the Department of Biostatistics, Harvard T.H. Chan School of Public Health  
Graduate Student Mentor: **Kamrine Poels**, Harvard T.H. Chan School of Public Health

3:40 - 3:55pm  
**Closing Remarks**  
*Marcello Pagano*  
Professor of Statistical Computing and Principal Investigator  
Harvard T.H. Chan School of Public Health