The Fourth International Molecular Pathological Epidemiology (MPE) Meeting Program
(tentative as of Jan 17, 2018)
(time subject to change)

2018
May 30 (Wednesday)
(Location: Jimmy Fund Auditorium)

4:00 to 5:30 pm
Pre-meeting workshop for future MPE leaders (Shuji Ogino, moderator). Panelists include:

Christine B Ambrosone (Senior Vice President for Population Sciences; Roswell Park Alliance Foundation Endowed Chair in Cancer Prevention; Chair, Department of Cancer Prevention and Control, Roswell Park Cancer Institute)

Peter Campbell (Strategic Director, Digestive System Cancer Research, American Cancer Society)

Montserrat Garcia-Closas (Deputy Director, Division of Cancer Epidemiology and Genetics, National Cancer Institute, NIH)

Reiko Nishihara (Assistant Professor of Pathology, Brigham and Women's Hospital and Harvard Medical School)

John Quackenbush (Director, Center for Cancer Computational Biology, Dana-Farber Cancer Institute; Professor at Harvard Medical School and Harvard T.H. Chan School of Public Health)

Molin Wang (Assistant Professor of Medicine, Brigham and Women's Hospital, Harvard Medical School, and Harvard T.H. Chan School of Public Health)

Topics include:
Transdisciplinary education
Finding and working with mentors with diverse expertise (especially methods)
Cross-disciplinary collaboration
Building a transdisciplinary team
Grant writing
Job opportunity diversity (academia, government, industry, etc)

(There can still be open spots throughout depending on length of each talk)

May 31 (Thursday)
(Location is Jimmy Fund Auditorium JFA unless otherwise specified)

7:30AM registration desk and JFA open

8:30 to 8:35
Introduction to the Fourth International MPE Meeting
Shuji Ogino

8:35 to 9:50
Integrated genetic, epidemiologic, and tumor analyses #1

Genetic association testing in the presence of tumor heterogeneity
Nilanjan Chatterjee

(TBD, glioma MPE)
Melissa Bondy

Genetic susceptibility to breast cancer subtypes
Montserrat Garcia-Closas

Discussion

9:50 to 10:08
Break

10:10 to 11:25
Integrated genetic, epidemiologic, and tumor analyses #2

Integrative analysis of clonal evolution and tumor microenvironment in lung cancer
Maria Teresa Landi

Linking germline genetic and lifestyle risk factors to deeply sequenced colorectal tumors – results from the Genetics and Epidemiology of Colorectal Cancer Consortium (GECCO)
Ulrike Peters

(TBD)
Rulla Tamimi (Breast)

Discussion

11:25 to 11:35
Group photo

11:35am to 2pm
Lunch
Poster Session (at Yawkey 3F Conference Center)

2:10 to 3:00
Disparities

Molecular alterations in breast tumor tissues from African-American women: relationships with risk factors
Christine Ambrosone
(Molecular pathological epidemiology of cancer disparities)
Timothy Rebbeck

Discussion

3:00 to 3:10
Break

3:10 to 4:25pm
Integration of Immunology

(CRC genomics and immune response)
Marios Giannakis

(Integration of tumor immune assessment into large population studies)
Stephen Gruber

Modeling tumor microenvironment heterogeneity and tumor immune evasion
X Shirley Liu

Discussion

4:25 to 4:40
Break

4:40 to 5:30
Chemoprevention / immunoprevention (moderator, Xuehong Zhang)

Aspirin and cancer: the promise of precision prevention
Andrew Chan

Adenoma prevention with MUC1 vaccine
Robert Schoen

Discussion

(Dinner on own) (groups can be organized)

6/1 (Friday)

7:30AM JFA and Registration Desk Open

8:05am to 9:20am
Novel Disease Phenotyping in Future Medicine and Population Science #1

(Computational pathology)
Jeffrey Golden

(Tumor tissue microbiome analyses)
Matthew Meyerson
(Computational approach to cancer evolution)
Christina Curtis
Discussion
9:20 to 9:35
Break
9:35 to 10:50
Novel Disease Phenotyping in Future Medicine and Population Science #2
(Network science of tumor molecular pathology)
John Quackenbush
(Challenges and opportunities in tumor omic analyses)
Rafael Irizarry
(Computational analysis of intratumor heterogeneity)
Scott Carter
Discussion
10:50 to 11:05
Break
11:05 to 12:25
Discussion-topic lectures
Breast cancer health disparities from nature vs. nurture perspectives
Song Yao
Discussion
Addressing sample selection bias due to tissue availability
Molin Wang
Discussion
Age of FFPE blocks and next-generation sequencing performance
Matty Weijenberg
Discussion
(TBD)
(Speaker TBD)
Discussion
12:30pm to 1:10pm
Lunch (move to D1130 Conference Room; max 35 people)

1:10 to 3:00pm
Discussion / Business Meeting

Topics include:

5th International MPE Meeting:
Place/time
Grant
Topics?
Implementation science
Liquid biopsy / circulating tumor cells and nucleic acids
Tumor tissue metabolomics
In vivo pathology / molecular imaging
Causal inference

Other topics:
MPE research guideline
Interdisciplinary education
Opportunities and challenges
MPE consortium building