The Fourth International Molecular Pathological Epidemiology (MPE) Meeting Program
(tentative as of Nov 15, 2017)
(time subject to change)

Kun-Hsing Yu (biomedical informatics) somewhere short talk 10min

2018
May 30 (Wednesday)

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

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)

8:00 to 8:05
Introduction to the Fourth International MPE Meeting
Shuji Ogino

8:05 to 8:55
Integrated genetic, epidemiologic, and tumor analyses #1

Genetic association testing in the presence of tumor heterogeneity
Nilanjan Chatterjee

(TBD, glioma MPE)
Melissa Bondy

Discussion

8:55 to 9:10
Break

9:10 to 10:00
Integrated genetic, epidemiologic, and tumor analyses #2

Genetic susceptibility to breast cancer subtypes
Montserrat Garcia-Closas

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

Discussion

10:00 to 10:15
Break

10:15 to 11:30
Integrated genetic, epidemiologic, and tumor analyses #3

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)
Song Yao (maybe different spot)

Discussion

11:30 to 11:40
Group photo

11:40am to 2:20pm
Lunch and Poster Session

2:30 to 3:20
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

3:20 to 3:35
Break

3:35 to 4:50pm
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

(4:50 to 5:00)
Break

(5:00 to 5:50)
Chemoprevention / immunoprevention

Aspirin and cancer: the promise of precision prevention
Andrew Chan

Adenoma prevention with MUC1 vaccine
Robert Schoen

Discussion

Group Dinner

6/1 (Friday)

8am 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

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 epigenomic analyses)
Rafael Irizarry

(Computational analysis of intratumor heterogeneity)
Scott Carter

Discussion

10:50 to 11:05
Break

(Open slots)

Lunch (move to D1130)
12:00pm to 12:50pm

12:50 to 1:30pm
Open Discussion

Interdisciplinary education
Opportunities and challenges
MPE consortium building

Break
1:30 to 1:40pm

Business meeting
1:40pm to 3pm

Discussion topics include:
Potential Topics for 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
MPE research guideline