University of New England, Biddeford, ME,

on June 10-16, 2018

Scientific program

Sunday

WELCOME

Session 1 Keynote

What is the future of human variation and disease science?



Discussion Leader: Elizabeth Phimster, **Deputy Editor, New England Journal** of Medicine, Boston, MA, USA



Speaker: Roderic Guigo, **Universitat Pompeu** Fabra, Barcelona, Spain

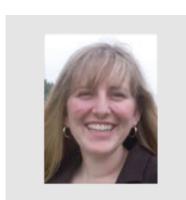


Speaker: Evan Eichler, University of Washington, Seattle, USA

Monday

Session 2

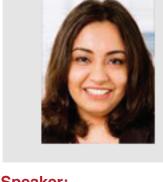
Emerging classes of variation and disease



Discussion Leader: Tychele Turner, **University of** Washington, Seattle, USA



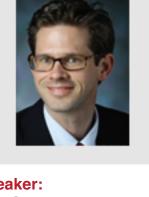
Speaker: Kai Tan, Children's Hospital of Philadelphia, USA



Speaker: Ekta Khurana, **Weill Cornell Medical** College, **New York City, USA**



Speaker: Angela Brooks, **University of California** Santa Cruz, USA



Speaker: Rob Scharpf, **Johns Hopkins University Medicine,** Baltimore, USA

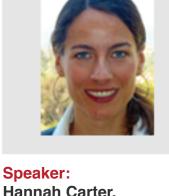
Session 3

Genetic variation in cancer

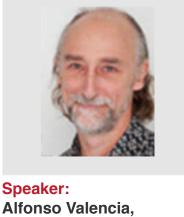


Personal Genome Diagnostics, **Baltimore**, **USA**

Mark Sauson,



Hannah Carter, **University of California** San Diego, USA



Alfonso Valencia, Barcelona Supercomputing Center, Spain

Tuesday

Session 4

Data-driven approaches for precision medicine



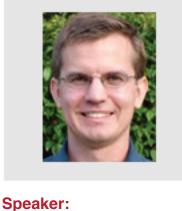
Washington University, St. Louis, USA



European Molecular Biology Laboratory, Heidelberg, Germany



Michael Beer, **Johns Hopkins University Medicine**, **Baltimore, USA**



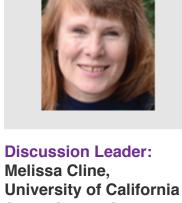
Ben Raphael, **Princeton University, USA**



Luis Serrano, **Center of Regulatory** Genomics, Barcelona, Spain

Genetic testing in the age of whole-genome and whole-exome sequencing

Session 5



Santa Cruz, USA

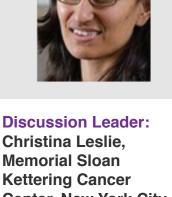




Session 6

Wednesday

New directions: ribosome profiling, microbiomes, single cell technologies



Center, New York City, **USA** Session 7



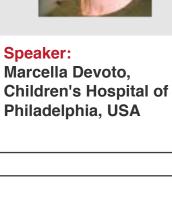


Baltimore, USA Common variation and disease









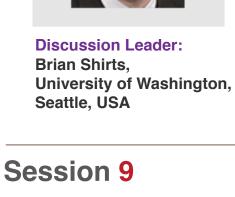


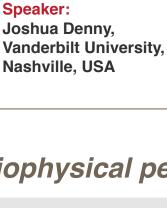
Speaker:

Thursday

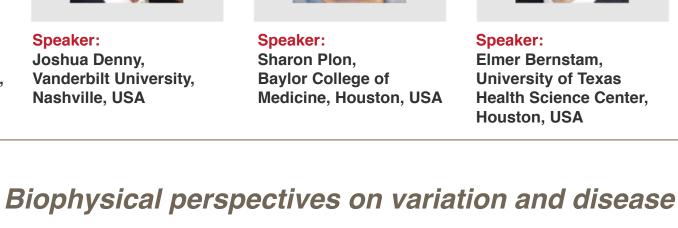
Session 8

Integrating genomic variation with medical records











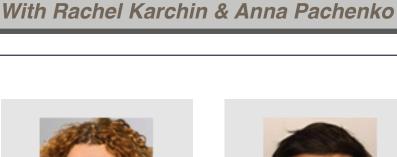
Sat / Sun

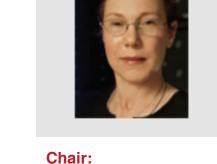










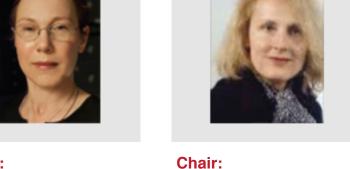


Rachel Karchin,

Johns Hopkins

Baltimore, USA

University,



RIta Casadio,

Italy

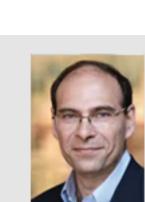
University of Bologna,

G Gordon Research Seminar

By and for young scientists -

opportunities and challenges inherited by

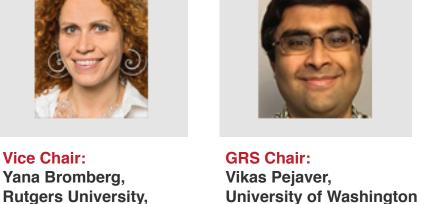
the next generation of researchers.



Vice Chair: Olivier Lichtarge, **Baylor College of**



Newark, USA



Seattle, USA

Medicine,

Houston, USA