

## CONFERENCE PROGRAM

### SUNDAY, APRIL 13th

- 12:15 p.m. – 5:30 p.m.      **Bioinformatics Symposium**  
*You must have pre-registered due to limited availability.*
- 7:00 p.m. – 9:00 p.m.      **Agilent Evening Gala Reception**  
*Please join us for drinks, appetizers and networking.*

### MONDAY, APRIL 14th SESSION 1: GENOMES & TECHNOLOGY

Session Chair: Dr. Carole Baskin  
Session Co-Chair: Dr. Michael Katze

- 7:30 a.m. – 8:30 a.m.      **Coffee and registration**
- 8:30 a.m. – 8:40 a.m.      *Welcome*  
Dr. Michael G. Katze  
University of Washington
- 8:40 a.m. – 8:45 a.m.      *Introduction of Keynote Speaker Dr. Barbara Alving*  
Dr. Dave Anderson  
University of Washington
- 8:45 a.m. – 9:10 a.m.      *“Accelerating Translational Research Through Animal Models”*  
Keynote Speaker Dr. Barbara Alving  
National Center for Research Resources, NIH
- 9:10 a.m. – 9:15 a.m.      *Introduction of Keynote Speaker Dr. Francis Collins*  
Dr. Richard Gibbs  
Baylor College of Medicine
- 9:15 a.m. – 9:40 a.m.      *“Comprehensiveness and The Genome Revolution”*  
Keynote Speaker Dr. Francis Collins  
National Human Genome Research Institute, NIH
- 9:40 a.m. – 10:05 a.m.      *“The Genomes of Macaques and Baboons”*  
Dr. Richard Gibbs  
Baylor College of Medicine

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- 10:05 a.m. – 10:45 a.m. **Coffee Break**
- 10:45 a.m. – 11:10 a.m. “*Comparative Genomics in the Broader Context of Primate Biology*”  
Dr. Jeffrey Rogers  
Southwest Foundation for Biomedical Research
- 11:10 a.m. – 11:35 a.m. “*Genomic Resources for Non-Human Primate Research*”  
Dr. Elaine Mardis  
Washington University in St. Louis
- 11:35 a.m. – 12:00 p.m. “*Application of New High Throughput Proteomics Measurements to Primate Research*”  
Dr. Richard Smith  
Pacific Northwest National Laboratories
- 12:00 p.m. – 1:30 p.m. **Lunch**

<p style="text-align: center;"><b>MONDAY, APRIL 14th</b> <b>SESSION 2: COMPARATIVE GENOMICS AND PRIMATE GENOMICS</b></p>
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Session Chair: Dr. Robert Palermo  
Session Co-Chair: Dr. Joanne Flynn

- 1:30 pm. – 1:55 p.m. “*CCL3L copy number variation is a common host immune factor for SIV/HIV/AIDS in Humans and Macaques*”  
Dr. Carlos Bustamante  
Cornell University
- 1:55 p.m. – 2:20 p.m. “*Macaque SNPs: insights from the past and resources for the future*”  
Dr. Betsy Ferguson  
Oregon National Primate Research Center
- 2:20 p.m. – 2:45 p.m. “*Genetic diversity of complex immune loci in macaques*”  
Dr. Dan Geraghty  
Fred Hutchinson Cancer Research Center
- 2:45 p.m. – 3:15 p.m. **Coffee Break**
- 3:15 p.m. – 3:40 p.m. “*Comparative Genomics to Decode Primate Gene Regulation*”  
Dr. Eddy Rubin  
Lawrence Berkeley National Laboratory

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- 3:40 p.m. – 4:05 p.m.      *“Progress in a Primate Phenome Project”*  
Dr. Nelson Freimer  
University of California, Los Angeles
- 4:05 p.m. – 4:45 p.m.      Round Table Discussion
- 4:45 p.m. – 7:30 p.m.      **Applied Biosystems Sponsored Poster Session**

<p style="text-align: center;"><b>TUESDAY, APRIL 15th</b> <b>SESSION 3: PRIMATE GENOMICS &amp; HUMAN DISEASE</b></p>
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<p style="text-align: center;">Session Chair: Dr. Stuart Zola Session Co-Chair: Dr. Betsy Ferguson</p>
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- 7:30 a.m. – 8:00 a.m.      **Coffee**
- 8:00 a.m. – 8:25 a.m.      *“Genetic Differences in Sialic Acid Biology Between Humans and other Hominids”*  
Dr. Ajit Varki  
University of California, San Diego
- 8:25 a.m. – 8:50 a.m.      *“Genetics of atherosclerosis risk factors in pedigreed baboons: genetic, genomic, and transcriptomic evidence”*  
Dr. Michael Mahaney  
Southwest Foundation for Biomedical Research
- 8:50 a.m. – 9:15 a.m.      *“Comparative Analysis of Neocortical Gene Expression from Mouse to Human”*  
Dr. Edward Lein  
Allen Institute for Brain Science
- 9:15 a.m. – 9:40 a.m.      *“Primate Genome Evolution and Human Disease”*  
Dr. Evan Eichler  
University of Washington
- 9:40 a.m. – 10:05 a.m.      *“The Diagnosis of Mild Cognitive Impairment (MCI): What Have We Learned from the Genomics and Behavior of Human and Nonhuman Primates”*  
Dr. Stuart Zola  
Emory University
- 10:05 a.m. – 10:35 a.m.      **Coffee Break**

## CONFERENCE PROGRAM

- 10:35 a.m. – 11:00 a.m.      *“Comparable functional polymorphisms in rhesus monkeys and human neuropsychiatric genes”*  
Dr. Gregory Miller  
New England National Primate Research Center
- 11:30 a.m. – 11:45 a.m.      Boarding for Buses to Argosy Cruise
- 12:30 p.m. – 2:30 p.m.      **illumina Sponsored Argosy Cruise on Puget Sound**  
  
Keynote Banquet Speaker, Dr. Donald Johanson  
Institute of Human Origins  
*“Human Evolution a View from Africa”*

**WEDNESDAY, APRIL 16th**  
**SESSION 4: ROUND TABLE, ABSTRACTS, & LATE BREAKING ABSTRACTS**

Session Chair: Dr. Richard Gibbs  
Session Co-Chair: Dr. Elaine Mardis

- 7:30 a.m. – 8:00 a.m.      Coffee
- 8:00 a.m. – 8:25 a.m.      *“Development of a monkey model for the study of stem cell-based therapies”*  
Dr. Shoukhrat Mitalipov
- 8:25 a.m. – 8:40 a.m.      *“A PPAR $\alpha$  Network is Central to Dietary Fat Response in Livers of Baboons Discordant for HDL Cholesterol”*  
Dr. Laura Cox
- 8:40 a.m. – 8:55 a.m.      *“Host Genomic Analysis of Severe Acute Respiratory Syndrome Coronavirus Infection in Aged Macaques”*  
Dr. Bart Haagmans
- 8:55 a.m. – 9:10 a.m.      *“Lemur Comparative Genomics: Analyses on the X Chromosome”*  
Dr. Julie Horvath
- 9:10 a.m. – 9:25 a.m.      *“Correlates of Immunity to Tuberculosis: Evaluation of the Transcriptomic Changes in Macaque Lung Lesions due to Vaccination with BCG”*  
Dr. Deepak Kaushal
- 9:25 a.m. – 9:40 a.m.      *“Plasmodium knowlesi and Rhesus Red Blood Cell Proteomics”*  
Dr. Erica Pasini

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- 9:40 a.m. – 10:00 a.m.      *“Evolution of Macaque Rhadinoviruses, Extrachromosomal Genetic Determinants of Disease”*  
Dr. Timothy Rose
- 10:00 a.m. – 10:30 a.m.      **Coffee Break**
- 10:30 a.m. – 10:45 a.m.      *“A High-Throughput Method for Genome-Wide SNP Discovery in the Rhesus Macaque”*  
Dr. Jessica Satkoski
- 10:45 a.m. – 11:00 a.m.      *“Baboon cDNA Resource”*  
Dr. Pavel Sova
- 11:00 a.m. – 11:15 a.m.      *“Replication Between Humans and Baboons of Quantitative Trait Loci that Regulate the Expression of Genes Implicated in T-cell Mediated Effects on Atherosclerosis”*  
Dr. Amanda Vinson
- 11:15 a.m. – 11:30 a.m.      *“A Rapid Sequence-Based Technique for Comprehensive Macaque MHC Class I Genotyping”*  
Dr. Roger Wiseman
- 11:30 a.m. – 11:45 a.m.      *“The Importance of Diet in Nonhuman Primate Studies Designed to Model Genetic Contributions to Human Disease”*  
Dr. Jay Kaplan
- 11:45 a.m. – 12:30 p.m.      Round Table Discussion
- 12:30 p.m. – 2:00 p.m.      **Lunch**

**WEDNESDAY, APRIL 16th**  
**SESSION 5: TRANSLATIONAL RESEARCH AND HUMAN DISEASE**

Session Chair: Dr. Jack Harding  
Session Co-Chair: Dr. Jeff Rogers

- 2:00 p.m. – 2:25 p.m.      *“The baboon as a model for the study of the genetics of obesity and diabetes”*  
Dr. Anthony Comuzzie  
The Southwest National Primate Research Center

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- 2:25 p.m. – 2:50 p.m.      *“Gene expression profiling of monkey peripheral T-cell differentiation and of the response of T-cell subsets to aging and caloric restriction”*  
Dr. Janko Nikolich-Zugich  
Oregon National Primate Research Center
- 2:50 p.m. – 3:15 p.m.      *“Filoviruses: Pathogenesis and Immune Response in NonHuman Primates”*  
Dr. Heinz Feldmann  
Rocky Mountain Laboratories
- 3:15 p.m. – 3:45 p.m.      **Coffee Break**
- 3:45 p.m. – 4:10 p.m.      *“Non-human primate model of Tuberculosis”*  
Dr. Joanne Flynn  
University of Pittsburgh
- 4:10 p.m. – 4:35 p.m.      *“Non Human Primates as Models of Avian and other Highly Pathogenic Influenza Viruses Infections”*  
Dr. Carole Baskin  
ASU Biodesign Institute
- 4:35 p.m. – 4:45 p.m.      *Conclusion and Closing Remarks*  
Dr. Michael Katze  
University of Washington