RNA MEDICINE 2016
2nd Annual Non-coding RNA Symposium
Institute for RNA Medicine - Cancer Center at Beth Israel Deaconess Medical Center
Wednesday, April 27, 2016
Joseph B. Martin Conference Center at Harvard Medical School
77 Avenue Louis Pasteur, Boston MA

Agenda

8:00 AM  Registration
8:30 AM  Welcome and opening remarks
         Frank J. Slack, PhD
         Director, Institute for RNA Medicine, Beth Israel Deaconess Medical Center
         Professor of Pathology and Professor of Medicine, Harvard Medical School
         Jeffrey E. Saffitz, MD, PhD
         Mallinckrodt Professor of Pathology, Harvard Medical School
         Chief, Department of Pathology, Beth Israel Deaconess Medical Center
         Pier Paolo Pandolfi, MD, PhD
         George C. Reisman Professor of Medicine and Professor of Pathology, Harvard Medical School
         Director, Cancer Center at Beth Israel Deaconess Medical Center and the Cancer Research Institute at BIDMC
         Chief, Division of Genetics, Department of Medicine, BIDMC

9:00 AM  MicroRNA regulation in metabolism and metabolic disease
         Anders M. Näär, PhD
         Professor of Cell Biology
         MGH Research Scholar
         Harvard Medical School and Massachusetts General Hospital Cancer Center

9:30 AM  RNA in extracellular vesicles: informative trash and/or instructive messengers
         Xandra O. Breakefield, PhD
         Professor of Neurology, Harvard Medical School
         Geneticist, Neurology and Radiology, Massachusetts General Hospital

10:00 AM RNA therapeutics for modulating the innate immune system
         Anna Marie Pyle, PhD
         William Edward Gilbert Professor of Molecular, Cellular & Developmental Biology
         Professor of Chemistry
         Yale University
         Investigator, Howard Hughes Medical Institute

10:30 AM  Break
11:00 AM  MicroRNAs
         David Bartel, PhD
         Member, Whitehead Institute
         Professor of Biology, MIT
         Investigator, Howard Hughes Medical Institute
11:30 AM  Targeted nanomaterials for RNA delivery  
Sangeeta N. Bhatia, MD, PhD  
Director, Laboratory for Multiscale Regenerative Technologies  
John J. and Dorothy Wilson Professor, Institute for Medical Engineering and Science and Electrical  
Engineering and Computer Science (EECS), MIT  
Investigator, Howard Hughes Medical Institute  

12:00 PM  MicroRNAs and the cell fate potential of embryonic stem cells  
Lin He, PhD  
Associate Professor of Cell and Developmental Biology  
Department of Molecular and Cell Biology  
University of California, Berkeley  

12:30 PM  Lunch  

1:30 PM  Genome regulation by long noncoding RNAs  
Howard Y. Chang, MD, PhD  
Director of the Center for Personal Dynamic Regulomes  
Professor of Dermatology  
Stanford University School of Medicine  

2:00 PM  RNA pathways in cancer  
George Q. Daley, MD, PhD  
Samuel E. Lux, IV Chair in Hematology/Oncology  
Professor of Biological Chemistry and Molecular Pharmacology, Harvard Medical School  
Director of the Stem Cell Transplantation Program, Boston Children's Hospital & Dana-Farber Cancer Institute  
Investigator, Howard Hughes Medical Institute  

2:30 PM  Novel noncoding RNA functions in mammalian physiology and cancer  
Joshua Mendell, MD, PhD  
Professor of Molecular Biology  
Member of the Simmons Cancer Center and Center for Regenerative Science and Medicine  
UT Southwestern Medical Center  
Investigator, Howard Hughes Medical Institute  

3:00 PM  Break  

3:30 PM  Pinning down microRNA targets in vivo  
Amy E. Pasquinelli, PhD  
Professor and Vice Chair, Molecular Section of the Division of Biology  
University of California, San Diego  

4:00 PM  Expanding the chemical diversity of therapeutic oligonucleotides  
Anastasia Khvorova, PhD  
Professor, RNA Therapeutics Institute and the Program in Molecular Medicine  
University of Massachusetts Medical School  

4:30 PM  MicroRNA-based therapeutics in cancer  
Frank J. Slack, PhD  
Director, Institute for RNA Medicine  
Beth Israel Deaconess Medical Center  
Professor of Pathology and Professor of Medicine, Harvard Medical School  

5:00 PM  Reception