

AGENDA

as of March 28, 2011

GeneExpression Systems, Inc. & Appasani Research Conferences of USA Presents:

RNAi & Single Cell Biology-2011 Summit

Venue: Hilton Garden Inn, Waltham, USA Date: April 4 - 5, 2011

Organizer: Krishnarao Appasani, PhD., MBA GeneExpression Systems, Inc. of USA

	April 4, Monday		April 5, Tuesday
8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments	8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments
9:00 – 12:30	Session I: Inaugural Session on RNAi, MicroRNAs & Imaging Chair: Krishnarao Appasani, PhD., MBA	9:00 – 10:20 AM	Session IV: MicroRNAs in Metabolism Chair: Dr. Joseph Loscalzo
9:00 – 9:10 AM	Welcome Note by Dr. Krishnarao Appasani, Organizer	9:00 – 9:30 AM	Joseph Loscalzo, MD., PhD. Brigham and Women's Hospital-Harvard Med. School, Boston, MA, USA Title: MicroRNA-210: An Hypoxamir that Regulates Cell Metabolism
9:10 – 9:50 AM	Inaugural Lecture by: Martin Chalfie, PhD. Nobel Laureate Columbia University , New York, USA Title: Teasing out cell-specific effects of lethal genes using SID-1-directed feeding RNA	9:30 – 9:55 AM	Hao Zhu, MD. DFCI-Children's Hospital, Boston, MA USA Title: The Lin28/let-7 axis regulates glucose metabolism through the PI3K-mTOR pathway
9:50 – 10:30 PM	Keynote Lecture by: Robert A. Weinberg, PhD. Massachusetts Institute of Technology, Cambridge, MA, USA Title: Formation of cancer stem cells and malignant progression	9:55 – 10:20 AM	Nathan D. Lawson, PhD. University of Massachusetts Medical School, Worcester, MA, USA Title: The role of microRNAs in Vegf signaling, and angiogenesis
10:30 – 11:00 AM	AM Refreshment Break (30 min)-Visit of Exhibits and Posters	10:20 – 10:45 AM	AM Refreshment Break (25 min)-Visit of Exhibits and Posters
11:00 – 11:40 AM	Keynote Lecture by: Xiaoliang Sunney Xie, PhD. Harvard University, Cambridge, MA, USA Title: Life at the Single Molecule Level	10:45 – 12:30	Session V: Single Molecule Technology in Screening & Diagnostics Chair: Ola Söderberg, PhD.
11:40 – 12:05 PM	Rama Natarajan, PhD. Beckman Research Inst. of City of Hope, Duarte, CA USA Title: Role of MicroRNAs in Diabetic Kidney Disease	10:45 – 11:10 AM	Ola Söderberg, PhD. Uppsala University, Uppsala, Sweden Title: Using proximity ligation assays to explore protein-interactions in clinical specimens
12:05 – 12:30 PM	Oliver Steinbach, PhD. Philips Research Laboratories, Eindhoven, The Netherlands Title: Imag(in)e Global – Release Local Image Guided Ultrasound-Triggered Drug Delivery	11:10 – 11:35 AM	Somenath Roy, PhD. A Star-Inst. of Bioengineering and Nanotechnology, Singapore Title: Bridging the nano-gaps with DNA: Implication to molecular electronics and medical diagnostics
		11:35 – 12:00 AM	David Duffy, PhD. Quanterix Corp., Cambridge, MA, USA Title: Single Molecule Arrays (SiMoA™) for Life Science Research and In Vitro Diagnostics
		12:00 – 12:25 PM	Dr. Hiroyuki Kishi University of Toyama, Toyama, Japan Title: A rapid and efficient single-cell manipulation method for screening antigen-specific antibody-secreting cells
12:30 – 1:30 PM	Lunch Break (1 hour) Lunch Provided	12:25 – 2:00 PM	Lunch Break (1 hour 35 min. ON YOUR OWN)
1:30 – 3:35	Session II: Single Cell & Molecule Analysis Using Imaging Chair: Mehmet Yanik, PhD.	2:00 – 3:45 PM	Session VI: PCR & MicroRNAs in Cancer Chair: Natasha Paul, Ph.D.
1:30 – 1:55 PM	Michael Strano, PhD. Massachusetts Inst. Of Technology, Cambridge, MA, USA Title: Single molecule signaling from EGFR using carbon nanotubes	2:00 – 2:30 PM	Natasha Paul, Ph.D. TriLink BioTechnologies, Inc. , San Diego, CA , USA Title: Hot Start dNTPs – Novel Chemistries for Use in Advanced PCR Applications
1:55 – 2:20 PM	Mehmet Yanik, PhD. Massachusetts Institute of Technology, Cambridge, MA, USA Title: High-throughput vertebrate screening at single-cell resolution <i>in vivo</i>	2:30 – 2:55 PM	Seyedtaghi Takyar, MD., PhD. Yale University School of Medicine, New Haven, CT, USA Title: MicroRNA (miR)-1 Inhibits Angiogenesis and Adaptive Th2 Inflammation in the Lung via a VEGF/Myeloproliferative Leukemia Virus Oncogene (Mpl)-Dependent Mechanism

2:20 – 2:45 PM	Vasilis Ntziachristos, PhD. Technical University of Munich, Munich, Germany Title: Listening to light: new cellular imaging capabilities using opto-acoustic tomography	2:55 – 3:20 PM	M.L. (Nikki) Harter, PhD. Case Western Reserve Univ. School of Medicine, Cleveland, OH, USA Title: UV-responsive microRNAs are differentially expressed in the melanocytes of a healthy person vs. that of a melanoma patient, <i>in situ</i>
2:45 – 3:10 PM	Madhavi Krishnan, PhD. ETH Zurich, Zurich, Switzerland Title: New methods for detection, imaging and manipulation of nano-objects: going beyond fluorescence labeling and optical tweezing	3:20 – 3:45 PM	Francisco Navarro, Ph.D. Immune Disease Institute, Harvard Medical School, Boston, MA, USA Title: Analysis of the role of miR-34a in the p53 tumor suppressor network
3:10 – 3:35 PM	Francesco S. Pavone, PhD. University of Florence, Sesto Fiorentino, Italy Title: Very high speed and ultra-precise manipulation and imaging of a single bio-molecule		
3:35 – 4:00 PM	PM Break 25 min - Visit of Exhibits and Posters	3:45 – 4:00 PM	PM Break 15 min - Visit of Exhibits and Posters (CLOSE of BOOTHS)
4:00 – 6:20 PM	Session III: Single Cell & Molecule Analysis, RNAi Screening & Therapeutics Chair: Dmitry Samarsky, PhD.	4:00 – 5:20 PM	Session VII: Reflections from Cryo-Microscopy & MicroRNAs Chair: Philip R. Dormitzer, MD, PhD.
4:00 – 4:25 PM	Mike Blower, PhD. Massachusetts General Hospital, Boston, MA, USA Title: Single cell analysis of piwi-rnas	4:00 – 4:25 PM	Philip R. Dormitzer, MD, PhD. Novartis Vaccines and Diagnostics, Cambridge, MA, USA Title: Study of rotavirus particles near-atomic resolution using cryo-Electron Microscopy
4:25 – 4:50 PM	Alexander J.R. Bishop, Ph.D. Univ. of Texas Health Sciences Center, San Antonio, TX, USA Title: RNAi screening, systems biology and comparative biology used to reveal novel mechanisms to augment cisplatin effectiveness	4:25 – 4:50 PM	Joseph P. Mizgerd, DSc. Boston University School of Medicine, Boston, MA USA Title: Roles of the uridylyltransferase enzyme Zcchc11
4:50 – 5:15 PM	Ching-Hwa Kiang, PhD. Rice University, Houston, TX USA Title: Observing Dynamic States of DNA and Proteins Using Single-Molecule Manipulation	4:50 – 5:15 PM	Stoil D. Dimitrov, MD., PhD. Dana-Farber Cancer Institute, Boston, MA, USA Title: Fine tuning of BRCA1 expression by miR-545
5:15 – 5:40 PM	Joanne Kamens, PhD. RXi Pharmaceuticals, Inc. , Worcester, MA, USA Title: Novel "Self-Delivering" RNAi Compounds for Therapeutic Development		
5:40 – 6:00 PM	Dawei Jiang, PhD. HHMI and Children's Hospital, Boston, MA, USA Title: Genome-wide RNAi screen identifies the Wolf-Hirschhorn syndrome candidate gene, Letm1, as a mitochondrial Ca ²⁺ /H ⁺ antiporte	5:15 PM End of the CONFERENCE	
6:00 PM End of 1st day session			