

AGENDA (as of August 20, 2014-FINAL)

GeneExpression Systems & Appasani Research Conferences of USA Presents:

Epigenomics & Metabolomics Meeting - 2014

Venue: Courtyard MARRIOTT Hotel, 777 Memorial Drive, Cambridge, MA 02139, USA on August 25 – 26, 2014

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

	AUGUST 25, Monday		AUGUST 26, Tuesday
8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments	8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments
9:00 – 9:05 AM	Welcome Note by Organizer: Krishnarao Appasani, PhD., MBA, USA	9:00 – 9:05 AM	Introduction of Session Chair by: Krishnarao Appasani, PhD., MBA, USA
9:00 – 10.25 AM	Session I: Genomic Imprinting & Development Chair: Laurie Jackson-Grusby	9:00 – 10.25 AM	Session V: Epigenomics in Metabolic Diseases Chair: Gavin R. Schnitzler, PhD.
9:05 – 9:35 AM	Laurie Jackson-Grusby, Ph.D., Plenary Speaker Children's Hospital, Harvard Medical School, USA Title: TBA	9:05 – 9:35 AM	Zoltan Arany, MD., PhD. Plenary Speaker Beth Israel Deaconess Medical Center, USA Title: TBA
9:35 – 10:00 AM	Longzhi Tan, PhD Student Harvard University, USA Title: Rare event of histone demethylation can initiate singular gene expression of olfactory receptors	9:35 – 10:00 AM	Gavin R. Schnitzler, PhD. Tufts Medical Center, USA Title: Mechanisms of vascular gene regulation by estrogen receptor alpha
10:00 – 10:25 AM	Miki Hieda, PhD. Osaka University, Graduate School of Medicine, Japan Title: Cancer-associated aberrant histone modification promotes cell motility and invasion in several ways	10:00 – 10:25 AM	Christopher M. Tracy, PhD. University of Utah Cardiovascular Research Institute, USA Title: Chromatin proteome in cardiac hypertrophy
10:25 – 10:50 AM	30 Minutes AM Break	10:25 – 10:50 AM	30 Minutes AM Break
10:50 – 12:30 PM	Session II: Chromatin Biology & Regulation Chair: Kami Ahmad, PhD.	10:50 – 12:30 AM	Session VI: Epigenomics & Metabolomics Chair: Jonathan Bogan, MD.
10:50 – 11:15 AM	Kami Ahmad, PhD. Harvard Medical School, USA Title: Comprehensive profiling of regulatory elements in genomes	10:50 – 11:15 PM	Jonathan Bogan, MD. Yale University School of Medicine, USA Title: A proteolytic pathway that regulates glucose uptake in fat and muscle
11:15 – 11:40 AM	Mahua Choudhury, PhD. Texas A&M Health Science Center, USA Title: Phthalates- an invisible microRNA modulator in placenta	11:15 – 11:40 AM	Bernhard Kuhn, MD. Children's Hospital of Boston, Harvard Medical School, USA Title: TBA
11:40 – 12:05 PM	Paul D. Kaufman, Ph.D. University of Massachusetts Medical School, USA Title: Regulation of nucleolar long-range interactions in human chromosomes	11:40 – 12:05 PM	Ronald Nick Larabee, PhD. University of Tennessee Health Science Center, USA Title: mTORC1-dependent epigenetic regulation and the control of cell growth, proliferation and cell death responses
12:05 – 12:30 PM	Hao Anh Duong, PhD. Harvard Medical School, USA Title: Temporal orchestration of chromatin modifying enzymes in cyclic circadian gene expression	12:05 – 12:30 PM	Nilanjana Banerjee, Ph.D. Philips Research North America, USA Title: TBA
12:30 – 1:30 PM	Lunch Break 1 hour (Will be provided)	12:30 – 1:45 PM	Lunch Break 1 hour 15 min. (ON YOUR OWN)

1:30 – 3:40 PM	Session III: Epigenetics in Stem Cells & Cancer Chair: Alex Meissner, PhD.	1:45 – 3:45 PM	Session VII: Epigenomics & Drug Therapeutics Chair: Andrew A. Lane, MD, PhD.
1:30 – 2:00 PM	Alex Meissner, PhD. Plenary Speaker Harvard University & The Broad Institute, USA Title: Epigenetic dynamics in pluripotent cells	1:45 – 2:30 PM	Epigenomics Innovator Award Presentation to Keynote Speaker Mark Gerstein, PhD. , Yale University, USA Title: Human Genome Analysis
2:00 – 2:25 PM	Subhrangsu S. Mandal, PhD. The University of Texas at Arlington, USA Title: Histone methylase MLL1 is associated with hypoxia signaling and angiogenesis, and tumorigenesis and is a novel target for cancer therapy	2:30 – 2:55 PM	Andrew A. Lane, MD, PhD. Dana-Farber Cancer Institute/Harvard Medical School, USA Title: Leukemogenesis and H3K27 hypomethylation driven by trisomy 21 and overexpression of HMGN1
2:25 – 2:50 PM	Jian Cao, PhD. Yale University School of Medicine, USA Title: The function of histone demethylase RBP2 in breast cancer metastasis	2:55 – 3:20 PM	Trent Fowler, PhD. Tufts University School of Medicine, USA Title: Anticancer drug BRD4 inhibitor JQ1
2:50 – 3:15 PM	Julie Secombe, PhD. Albert Einstein College of Medicine, USA Title: KDM5: More than just a demethylase	3:20 – 3:45 PM	Edyta Marcon, PhD. University of Toronto, Canada Title: Human interactom of chromatin-related factors and their roles in tumorigenesis
3:15 – 3:40 PM	Sibaji Sarkar, PhD. Boston University School of Medicine, USA Title: Anticancer effects of HDA inhibitors		
3:40 – 4:15 PM	PM Break 35 min - Visit of Exhibits and Posters	3:45 – 4:00 PM	PM Break 15 min - Visit of Exhibits and Posters
4:15 – 6:00 PM	Session IV: Epigenetics in Neuro Development & Metabolic Diseases Chair: Takeo Kubota, MD, PhD.	4:00 – 5:15 PM	Session VIII: Sequencing Technology & Population Genomics Chair: Benjamin G. Schroeder, PhD.
4:15 – 4:45 PM	Takeo Kubota, MD, PhD. Plenary Speaker University of Yamanashi, Japan Title: Epigenetics as a basis for diagnosis and treatment of neurodevelopmental disorders	4:00 – 4:25 PM	Barry Merriman, PhD. Thermo Fisher Scientific, Inc., USA Title: How to solve genetic disease on a population scale
4:45 – 5:10 PM	Michael Stitzel, PhD. The Jackson Laboratory for Genomic Medicine, USA Title: Islet epigenomes, stretch enhancers, and type 2 diabetes GWAS	4:25 – 4:50 PM	Benjamin G. Schroeder, PhD. NuGEN Technologies Inc., USA Title: Improved Reduced Representation Bisulfite Sequencing on the Illumina Sequencing Platforms
5:10 – 5:35 PM	Aseel Eid, PhD. Student University of Rhode Island, USA Title: Epigenetic reprogramming in response to Lead (Pb) Exposure: Implications for Alzheimer's disease	4:50 – 5:15 PM	Evan Daugharthy, PhD. Student Harvard Medical School, USA Title: In-situ RNA sequencing
5:35 – 6:00 PM	Ghazaleh Sadri-Vakili, PhD. MGH-Inst. for Neurodegenerative Disease, USA Title: Alterations in the Epigenome and Brain-Derived Neurotrophic Factor as a Mechanism of Transgenerational Inheritance in Response to Cocaine		
6:00 PM	End of 1st day session	5:20 PM	End of the Conference: Concluding Remarks