

FINAL AGENDA (as of July 02-2013)

GeneExpression Systems & Appasani Research Conferences of USA Presents:

Epigenomics & Metabolomics Symposia-2013

Epigenomics, Sequencing & SNIps-2013 Meeting

Venue: Joseph B. Martin Conference Center-Rotunda, New Research Building, Harvard Medical School, 77 Avenue Louis Pasteur
Boston, MA 02115, USA

Date: July 10 - 11, 2013

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

	JULY 10, Wednesday		JULY 11, Thursday
8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments	8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments
8:45 – 10:10 AM	Session I: JOINT INAUGURAL SESSION (on Epigenomics & Metabolomics)	8:45 – 10:10 AM	Session V: JOINT INAUGURAL SESSION (on Epigenomics & Metabolomics)
8:45 – 9:00 AM	Welcome Note & Introduction of Keynote Speakers Krishnarao Appasani, PhD. GeneExpression Systems, USA	8:45 – 9:00 AM	Welcome Note & Introduction of Keynote Speakers Krishnarao Appasani, PhD. GeneExpression Systems, USA
9:00 – 9:35 AM	Keynote Lecture by: Peter Libby, MD. Brigham & Women's Hospital & Harvard Medical School, USA Title: Abdominal Obesity, Type 2 Diabetes and Cardiovascular Disease: Is Inflammation the missing link?	9:00 – 9:35 AM	Keynote Lecture by: George M. Church, PhD. Harvard Medical School, USA Title: Changing Personal Epi-Genomes
9:35 – 10:10 AM	Keynote Lecture by: Laurie Jackson-Grusby, PhD. Children's Hospital Boston & Harvard Medical School, USA Title: Epigenetic regulation in normal and cancer stem cells	9:35 – 10:10 AM	Keynote Lecture by: Evan D. Rosen MD, PhD. Beth Israel Deaconess Medical Center Harvard Medical School, USA Title: Epigenetic mechanisms in metabolic health and disease
10:10 – 10:40 AM	30 Minutes AM Break	10:10 – 10:40 AM	30 Minutes AM Break
	Parallel Sessions on: Epigenomics & Metabolomics Runs from Now onwards		Parallel Sessions on: Epigenomics & Metabolomics Runs from Now onwards
	FOCUSSED Epigenomics, Sequencing & SNIps THEME TALKS		FOCUSSED Epigenomics, Sequencing & SNIps THEME TALKS
10:40 – 12:25 PM	Session II: Chromatin Biology Chair: Brendan Price, PhD.	10:40 – 12:15 PM	Session VI: Epigenomics in Stem Cells Chair: Alex Meissner, PhD.
10:40 – 11:10 AM	Brendan D. Price, PhD. Plenary Speaker Dana-Farber Cancer Inst. & Harvard Medical School, USA Title: The epigenetics of genomic stability and DNA repair	10:40 – 11:10 AM	Alex Meissner, PhD. Plenary Speaker Broad Institute, Harvard Univ. & Harvard Stem Cell Inst. USA Title: Epigenetic dynamics in pluripotent cells
11:10 – 11:35 AM	Mariko Ariyoshi, PhD. Kyoto University, Japan Title: Combinatorial read out of histone H3 modifications by the maintenance DNA methylation regulator UHRF1	11:10 – 11:35 AM	Shu Xiao, Ph.D. University of California at San Diego, USA Title: Comparative and spatiotemporal epigenomic annotation of regulatory DNA
11:35 – 12:00 PM	Cedric R. Clapier, PhD. University of Utah School of Medicine, USA Title: Nucleosomal epitopes release the intrinsic brakes of a chromatin remodeling ATPase	11:35 – 12:00 AM	Kumiko Saeki, MD, PhD. National Center for Global Health and Medicine, Japan Title: Production of functional brown adipocytes from human pluripotent stem cells
12:00 – 12:25 PM	Thomas C. Bishop, PhD. Louisiana Tech University, USA Title: In silico studies of nucleosome [mis]positioning and chromatin folding	12:00 – 12:15 PM	Mahua Choudhury, PhD. Short Presentation Texas A&M Health Science Center, USA Title: First trimester biomarkers in pre-eclampsia- a novel epigenetic and micro-RNA regulation
12:25 – 1:30 PM	Lunch Break 1 hour 05 min. (Lunch Provided)	12:15 – 1.30 PM	Lunch Break 1 hour and 15 min (ON YOUR OWN)

1:30 – 3:55 PM	Session III: Epigenetic Regulation Chair: Garegin Papoian, PhD.	1:30 – 3:45 PM	Session VII: Genome Engineering & Sequencing Technologies Chair: Chad Nusbaum, PhD.
1:30 – 2:00 PM	Garegin A. Papoian, PhD. Plenary Speaker University of Maryland, USA Title: Acetylations of Lysines of the H4 histone tail lead to major remodeling of its energy landscape	1:30 – 2:00 PM	Feng Zhang, PhD. Plenary Speaker The Broad Institute of MIT and Harvard University, USA Title: Multiplexed mammalian genome engineering with RNA-guided CRISPR-Cas systems
2:00 – 2:25 PM	Erica Larschan, PhD. Brown University, USA Title: The clamp protein links MSL complex to the X-chromosome during Drosophila dosage compensation	2:00 – 2:25 PM	Chad Nusbaum, PhD. The Broad Institute of MIT and Harvard University, USA Title: Deconstructing the Human Microbiome
2:25 – 2:50 PM	Tracy Johnson, PhD. University of California at San Diego, USA Title: Epigenetic regulation of pre-messenger RNA splicing	2:25 – 2:50 PM	Barry Merriman, PhD. Life Technologies, Inc. USA Title: How to solve genetic disease on a population scale
2:50 – 3:15 PM	Lai Wei, MD, PhD. National Eye Institute-NIH, USA Title: Epigenetic regulation in age-related macular degeneration	2:50 – 3:15 PM	Deniz Kural Seven Bridges Genomics, Inc. USA Title: Networked epigenetics on the cloud
3:15 – 3:40 PM	Chamindie Punyadeera, PhD. University of Queensland Diamantina Institute, Australia Title: Salivary DNA methylation biomarker panel to detect head and neck cancer	3:15 – 3:30 PM	Philip L. De Jager, MD, PhD. Short Presentation Brigham and Women's Hospital & Harvard Medical School, USA Title: Deconstructing the genomic architecture of Alzheimer's disease
3:40 – 3:55 PM	Nevenka Dimitrova, PhD. Short Presentation Philips Research, Inc. USA Title: Chromosomal breakpoint intervals and differential methylation	3:30 – 3:45 PM	Manolis Kellis, PhD. Short Presentation Massachusetts Institute of Technology, USA Title: TBA
3:55 – 4:15 PM	PM Break 20 min - Visit of Posters & Exhibits	3:45 – 4:15 PM	PM Break 30 min - Visit of Posters & Exhibits
4:15 – 6:30 PM	Session IV: Epigenomics in Neurodevelopmental Disorders, Cancer, Stem Cells & iChIP Technology Chair: Michael Witcher, PhD.	4:15 – 6:00 PM	Session VIII: Epigenomic Tools & Therapeutics Chair: Dafydd Owen, PhD.
4:15 – 4:45 PM	Michael Witcher, PhD. Plenary Speaker The Jewish General Hospital & McGill University, Canada Title: Epigenetic silencing of tumor suppressors in breast cancer	4:15 – 4:45 PM	Wim Van Criekinge, PhD. Plenary Speaker MDxHealth, Inc. USA & University of Ghent, Belgium Title: Next generation epigenetic profiling
4:45 – 5:10 PM	Takeo Kubota, MD, PhD. University of Yamanashi School of Medicine, Japan Title: Epigenetics in neurodevelopmental disorders	4:45 – 5:10 PM	Dafydd Owen, PhD. Pfizer Worldwide Research & Development, USA Title: Chemical probes for epigenetics
5:10 – 5:35 PM	Xiaohong Zhao, MD, PhD. University of South Florida, USA Title: Gene silencing of <i>myc</i> -mediated miR-29 and histone modifications in lymphomas	5:10 – 5:35 PM	Ailan Guo, PhD. Cell Signaling Technology, Inc., USA Title: Proteomics tools to study protein modifications that affect cancer epigenetics
5:35 – 6:00 PM	Bodour Salhia, PhD. Translational Genomics Research Institute (TGen), USA Title: Epigenetic mechanisms mediating cancer progression	5:35 – 6:00 PM	Tracey L. Petryshen, Ph.D. Massachusetts General Hospital & Harvard Medical School, USA Title: Effects of HDAC1/2 inhibition on psychiatric-related behaviors and brain gene expression in mice
6:00 – 6:15 PM	Sema Rosinbum, MD, Ph.D. Short Presentation US Food Drug Administration, USA Title: Single cell analysis: An approach for characterizing multipotential stromal cells	---	---
6:15 – 6:30 PM	Hodaka Fujii, MD, PhD. Short Presentation Osaka University, Japan Title: Locus-specific biochemical epigenetics / chromatin	---	---

	biochemistry by insertional chromatin immunoprecipitation		
6:30 PM End of 1st day session		6:00 PM End of Conference	CLOSING REMARKS