

AGENDA (as of July 02, 2012)

GeneExpression Systems & Appasani Research Conferences of USA Presents:

Epigenomics, Sequencing & SNiPs-2012

Venue: The Joseph B. Martin Conference Center at Harvard Medical School, 77 Avenue Louis Pasteur, Boston, MA 02115, USA on
July 9 - 10, 2012

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

	July 09, Monday		July 10, Tuesday
8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments	7:30 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments
9:00 – 9:05 AM	Welcome Note by: Krishnarao Appasani, PhD., MBA, USA	8:25 – 8:30 AM	Introduction of Session Chair by: Krishnarao Appasani, PhD., MBA, USA
9:00 – 10.20 AM	Session I: Genomic Imprinting & Development Chair: Laurie Jackson-Grusby	8:25 – 10:10 AM	Session V: Technology & Epigenomics in Neurodegenerative Diseases Chair: Nasser H. Zawia
9:05 – 9:30 AM	Laurie Jackson-Grusby, Ph.D., Children's Hospital Boston, USA Title: TBA	8:30 – 8:55 AM	Benjamin G. Schroeder, PhD. NuGen Technologies Inc., USA Title: Ultralow input NGS library technology applied to epigenomics
9:30 – 9:55 AM	Rabindranath De La Fuente, DVM, PhD., University of Georgia, USA Title: Epigenetical modifications during oogenesis	8:55 – 9:20 AM	Tina Hallis, PhD. Life Technologies, USA Title: HY Lantha Screen cell assays for studying histone modifications
9:55 – 10:20 AM	Toshi Shioda, MD, PhD., Massachusetts General Hospital Cancer Center, USA Title: Genomic imprinting in mouse pluripotent stem cells	9:20 – 9:45 AM	Nasser H. Zawia, PhD., University of Rhode Island, USA Title: What do Monkeys and Mice tell us about the early origins of Alzheimer's disease? An epigenetic paradigm
10:20 –10:50 AM	35 Minutes AM Break	9:45 – 10:10 AM	Johannes Gräff, PhD. Massachusetts Institute of Technology, USA Title: Histone acetylation and Alzheimer's Disease
10:50 – 12:30 PM	Session II: Chromatin Biology & Regulation Chair: Steven M. Johnson	10:10 –10:45 AM	35 Minutes AM Break
10:50 – 11:15 AM	Zhiguo Zhang, PhD., Mayo Clinic, USA Title: Roles of histone modifications in nucleosome assembly	10:45 –12:25 PM	Session VI: Epigenomic Drugs & Therapeutics Chair: Yogen Sauntharajah
11:15 – 11:40 AM	Steven M. Johnson, PhD., Brigham Young University, USA Title: Nucleosome organization and positioning in human cells	10:45 –11:10 AM	Richard L. Momparler, PhD., University of Montreal , Canada Title: Epigenetic therapy of leukemia using a combination of inhibitors of DNA and histone methylation
11:40 – 12:05 PM	Mo Motamedi, PhD., Massachusetts General Hospital, USA Title: RNAi, non-coding RNAs, and HP1 protein in epigenetic gene silencing in the fission yeast pombe	11:10 –11:35 AM	Yogen Sauntharajah, MD., Cleveland Clinic, USA Title: Clinical proof of principle of normal stem cell sparing, p53-independent, epigenetic-differentiation oncotherapy
12:05 – 12:30 PM	Julie Secombe, PhD., Albert Einstein College of Medicine , USA Title: Histone lysine demethylases regulation	11:35 –12:00 PM	Cynthia Zahnow, Ph.D., Johns Hopkins University School of Medicine, USA Title: Programing cancer cells with low doses of epigenetic drugs
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12:30 – 1:30 PM	Lunch Break 1 hour (Will be provided)	12:25 –1:30 PM	Lunch Break 1 hour 05 min. (Will be provided)
1:30 – 3:40 PM	Session III: Epigenetics in Stem Cells Chair: Alex Meissner	1:30 – 3:30 PM	Session VII: Epigenetic determinants & Environmental/Epidemiological Studies Chair: Shuji Ogino
1:30 – 1:35 PM	Session Chair Introduction by Krishnarao Appasani, PhD., MBA	1:30 – 1:35 PM	Keynote Speaker Introduction and Young Epigenomics Innovator Award Presentation by: Laurie Jackson-Grusby
1:35 –2:00 PM	Alex Meissner, PhD., Harvard University & Associate member of the Broad Institute, USA Title: Epigenetic dynamics in pluripotent cells	1:35 – 2:15 PM	Keynote Lecture by: Bradley Bernstein, MD, PhD. Harvard Medical School & Broad Inst, USA Title: Genetic and epigenetic determinants of cell state
2:00 – 2:25 PM	Thomas Fazzio, PhD., University of Massachusetts Medical School, USA Title: Opposing functions of esBAF and Mbd3/NURD temper expression of genes marked by 5-hydroxymethylcytosine	2:15 – 2:40 PM	Scott M. Langevin, PhD, MHA, Brown University, USA Title: Epigenome-wide association studies in cancer
2:25 – 2:50 PM	Yuhong Fan, PhD., Georgia Institute of Technology, USA Title: Novel regulatory roles of linker histones in embryonic stem cells	2:40 – 3:05 PM	Shuji Ogino, MD., PhD., Brigham and Women's Hospital, USA Title: Molecular pathological epidemiology of cancer epigenetics: Integrated analysis of etiologic factors, host, and diseases

2:50 – 3:15 PM	Narendra Maheshri, PhD. , Massachusetts Institute of Technology, USA Title: Epigenetic switches	3:05 – 3:30 PM	Adelheid Soubry, PhD. , Duke University Medical Center, USA Title: Environmental exposures during early development and methylation outcomes at the imprinted gene IGF2 in newborns: early results from NEST (Newborn Epigenetics Study)
3:15 – 3:40 PM	Victoria Lunyak, PhD. , Buck Institute for Age Research, USA Title: Epigenetics in stem cells	----	----
3:40 – 4:15 PM	PM Break 35 min - Visit of Exhibits and Posters	3:30 – 4:00 PM	PM Break 30 min - Visit of Exhibits and Posters
4:15 – 6:25 PM	Session IV: Epigenetics in Cancer & Metabolic Diseases Chair: James L. Sherley	4:00 – 5:40 PM	Session VIII: Epigenetics Studies using Long Noncoding RNAs, GWAs and SNIps Chair: Ernest Fraenkel
4:15 – 4:40 PM	James L. Sherley, MD, PhD. Boston Biomedical Research Institute, USA Title: A systems biology approach to identification of epigenomics biomarkers unique to tissue stem cells	4:00 – 4:25 PM	Romesh Subramanian, PhD. RaNA Therapeutics, Inc., USA Title: Selective activation of gene expression by targeting long non-coding RNAs
4:40 – 5:05 PM	Miina Ollikainen, PhD. , University of Helsinki, Finland Title: Epigenetic investigation of obesity using discordant MZ twins	4:25 – 4:50 PM	Lan Wang, PhD. , Memorial Sloan-Kettering Cancer Center, USA Title: The lysine acetylation of AML1-ETO by histone acetyltransferase p300 is required for the maintenance of leukemia initiating cells
5:05 – 5:30 PM	Dr. Anwasha Dey , Genentech, Inc., USA Title: Loss of the tumor suppressor BAP1 causes CMML-like disease	4:50 – 5:15 PM	Ernest Fraenkel, PhD. , Massachusetts Institute of Technology, USA Title: Epigenomics as the missing link
5:30 – 5:55 PM	Ryan D. Morin, PhD. , University of British Columbia, Canada Title: Frequent mutation of histone-modifying genes in non-Hodgkin lymphoma	5:15 – 5:40 PM	Soumya Raychaudhuri, MD, PhD. , Brigham and Women's Hospital, USA Title: TBA
5:55 – 6:20 PM	Yue Wei, PhD. , University of Texas MD Anderson Cancer Center, USA Title: Histone methylation CHIP-Seq analysis identifies the activation of innate immunity signaling in bone marrow CD34+ progenitor cells of MDS	----	----
6:20 – 6:25	End of 1st day session	5:40 – 5:45 PM	End of 2nd day session: Concluding Remarks