

AGENDA (as of April 13, 2015)

GeneExpression Systems & Appasani Research Conferences of USA Presents:

RNAi/MicroRNAs & Stem Cells Meeting - 2015

Venue: Courtyard MARRIOTT Hotel, 777 Memorial Drive, Cambridge, MA 02139, USA on MAY 4 – 5, 2015

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

| | MAY 4, 2015, Monday | | MAY 5, 2015, Tuesday |
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| 8:00 AM | REGISTRATION OPEN: Refreshments | 8:00 AM | REGISTRATION OPEN: Coffee/Tea & Refreshments |
| 9:00 – 9:15 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 – 10.50 AM | Session I: Overview of RNA Interference, MicroRNAs & Stem Cells Chair: Krishnarao Appasani, PhD. USA | 9:05 – 10.40 AM | Session V: Stem Cells & Transcriptional Regulation of Small interfering / microRNAs Chair: Anthony Kelleher, MBBS, PhD. Australia |
| 9:15 – 10:00 AM | Judy Lieberman, MD, PhD. Keynote Speaker Professor, Harvard Medical School, USA Title: Knocking Down Disease: A Progress Report on siRNA therapeutics | 9:05 – 9:50 AM | Derrick J. Rossi, PhD. Keynote Speaker Associate Professor, Boston Children's Hospital, USA Title: Engineer and manipulation of hematopoietic stem cells towards therapeutics |
| 10:00 – 10:25 AM | Anthony K. L. Leung, PhD. Asst. Professor, Johns Hopkins University, USA Title: Poly(ADP-ribose) regulates microRNA activity and RNA metabolism | 9:50 – 10:15 AM | Anthony D. Kelleher, MBBS, PhD. Professor, University of New South Wales, Australia Title: Transcriptional Silencing of HIV-1 through promoter targeted si/shRNA, induction of viral latency: an approach to stabilization of viral reservoirs |
| 10:25 – 10:50 AM | Daisy Robinton, PhD Candidate Harvard University, USA Title: Lin28b is a compelling therapeutic target in hepatocellular carcinoma | 10:15 – 10:40 AM | Amy K. Sater, PhD. Professor, University of Houston, USA Title: Towards a Systems Analysis of miRNA - mRNA relationships in the establishment of vertebrate neural and epidermal lineages |
| 10:50 – 11:15 AM | 25 Minutes AM Break | 10:40 – 11:00 AM | 20 Minutes AM Break |
| 11:15 – 12:30 PM | Session II: Noncoding/Small/MicroRNAs Discovery and Biogenesis Chair: Nicholas Delihias, PhD. USA | 11:00 – 12:45 PM | Session VI: Delivery & Therapeutic Drug Development Chair: Shuling Guo, PhD. USA |
| 11:15 – 11:45 AM | Nicholas Delihias, PhD. Emeritus Professor, Stony Brook University, USA Title: Discovery and characterization of the first non-coding RNA gene, <i>micF</i> and its transcript that regulates gene expression-a historical perspective | 11:00 – 11:30 AM | Shuling Guo, PhD. Director, Isis Pharmaceuticals, Inc., USA Title: RNA-targeted therapeutic strategies using antisense technology |
| 11:45 – 12:10 PM | Pan Zheng, MD, PhD. Professor, Children's National Medical Ctr. USA Title: mTORC1 role in miRNA biogenesis | 11:30 – 11:55 PM | Jim Barsoum, PhD. Chief Scientific Officer, RaNA Therapeutics Inc., USA Title: Selective activation of gene expression by targeting long noncoding RNA |

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| 12:10 – 12:35 PM | Anna Kurzynska-Kokorniak Researcher, Polish Acad. of Sciences, POLAND Title: Regulation of microRNA biogenesis by short RNA molecules | 11:55 – 12:20 PM | SPEAKER SPOT OPEN |
| --- | ----- | 12:20 – 12:45 PM | Khalid Shah, PhD. Associate Professor, Mass. General Hospital, USA Title: Engineering toxin-resistant therapeutics stem cells to treat brain tumors |
| 12:35 – 1:35 PM | Lunch Break 1 hour (Will be provided) | 12:45 – 1:45 PM | Lunch Break 1 hour (Will be provided) |
| 1:35 – 3:45 PM | Session III: RNAi Screenings & Target Discovery Chair: Jason Moffat, PhD., CANADA | 1:45 – 4:00 PM | Session VII: MicroRNAs Regulation in Cardiac Regeneration and Spinal cord injury Chair: Pierre-Louis Tharaux, MD, PhD. FRANCE |
| 1:35 – 2:05 PM | Jason Moffat, PhD. Associate Professor, Univ. of Toronto, CANADA Title: Small hairpinRNA kinome screening and RNAi analysis of genes in somatic copy number gains in ductal adenocarcinoma. | 1:45 – 2:15 PM | Ying Tian, PhD. Assistant Professor, Temple Univ.School of Medicine, USA Title: MicroRNA-Hippo pathway in cardiomyocyte proliferation and cardiac regeneration |
| 2:05 – 2:30 PM | Laurence Ettwiller, PhD. Scientist, New England Biolabs, Inc., USA Title: Enzymatic modification of the initiating nucleotide incorporated by the RNA polymerase identifies genome-wide transcription start sites in <i>E. coli</i> | 2:15 – 2:40 PM | Arun R. Shrivats, PhD. Postdoctoral Fellow, Harvard University, USA Title: RNAi Therapeutics for Fibrodysplasia Ossificans Progressiva |
| 2:30 – 2:55 PM | Atish D. Choudhury, MD, PhD. Instructor, Dana-Farber cancer Institute, USA Title: An <i>in vivo</i> genetic screen identifies NEK6 as a novel mediator of castration resistance in prostate cancer | 2:40 – 3:05 PM | SPEAKER SPOT OPEN |
| 2:55 – 3:20 PM | Andrew Grimson, PhD. Assistant Professor, Cornell University, USA Title: Function of animal microRNAs and other small RNAs | 3:05 – 3:30 PM | Suzanne Tharin, MD, PhD. Assistant Professor, Stanford University, USA Title: microRNAs in corticospinal neuron development spinal cord injury |
| 3:20 – 3:45 PM | SPEAKER SPOT OPEN | 3:30 – 3:55 PM | SPEAKER SPOT OPEN |
| 3:45 – 4:15 PM | PM Break 30 minutes | 3:55 – 4:00 PM | End of the Conference: Concluding Remarks |
| 4:15 – 6:00 PM | Session IV: Expression Profiling of MicroRNAs in Cancer & Stem Cells Chair: Yvonne Tay, PhD. SINGAPORE | | |
| 4:15 – 4:45 PM | Yvonne Tay, PhD. Assistant Professor, National Univ. of Singapore Title: MicroRNA and competing endogenous RNA networks in cancer | | |

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| 4:45 – 5:10 PM | Praveen Sethupathy, PhD. Assistant Professor, Univ. of North Carolina, USA Title: Discovering candidate drivers of a stem cell-rich liver cancer, fibrolamellar carcinoma | | |
| 5:10 – 5:35 PM | Rihab Nasr, PhD. Associate Professor, American University of Beirut, LEBANON Title: MicroRNA expression profile analysis of Lebanese breast cancer tissues | | |
| 5:35 – 6:00 PM | SPEAKER SPOT OPEN | | |
| 6:00 PM | End of 1st day session | | |