

AGENDA (As of October 16-2015)

GeneExpression Systems & Appasani Research Conferences & University of Cambridge Presents:

10th International **MicroRNAs/Non-Coding RNAs & Genome Editing Europe – 2015 Meeting &**
4th International **European Neurodegenerative Diseases/Optogenetics Europe – 2015 Meeting**

Venue: Peterhouse College, University of Cambridge, Cambridge, **United Kingdom** **Date:** November 2 – 3, 2015

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

NOVEMBER 2, 2015, MONDAY

8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments		
8:30 – 10:40 AM	JOINT INAUGURAL SESSION I: Chair: Krishnarao Appasani, PhD.		
8:30 – 8:45 AM	Welcome Address by Organizer: Krishnarao Appasani, PhD. GeneExpression Systems, Inc. USA		
8:45 – 9:15 AM	KEYNOTE SPEKER: To Be Announced Sponsored Speaker From Thermo Fisher Scientific, Inc. Title: TBA		
9:15 – 9:45 AM	KEYNOTE SPEKER: ERIC S. MISKA, PhD. Herchel Smith Professor of Molecular Genetics University of Cambridge, Cambridge, United Kingdom Title: Transgenerational epigenetic inheritance and RNAe		
9:45 – 10:15 AM	INDUSTRY KEYNOTE SPEKER: JOAN FALLON, PhD. Chief Executive Officer Curemark, Inc., Rye, NY, USA Title: The Role of amino acid and brain transcription factors in neurodegenerative diseases		
10:15 – 10:40 AM	PLENARY SPEAKER: ANDREW BASSETT, PhD. Head of Genome Engineering Oxford University of Oxford, Oxford, OX1 3RE, United Kingdom Title: Investigation of miRNA function using genome engineering		
10:40 – 11:00 AM	20 minutes BREAK		
TWO PARALLEL SESSIONS STARTS FROM NOW			
	MICRO RNAs, NON CODING RNAs & GENOME EDITING Held at Peterhouse Theater		NEURO DEGENERATIVE DISEASES & OPTOGENETICS Held at Upper Hall
11:00 – 12:45 PM	Session II: piRNAs/NcRNAs in Development & Genome Editing Chair: Shawn Ahmed, PhD. USA	11:30 – 12:45PM	Session II: Neurodevelopmental Diseases Chair: Victoria Lunyak, PhD. USA
11:00 – 11:30 AM	Shawn Ahmed, PhD. PLENARY SPEAKER Professor, University of North Carolina, USA Title: Adult Reproductive Diapause in response to piRNA dysfunction	11:00 – 11:30 AM	Victoria Lunyak, PhD. PLENARY SPEAKER Founder/CEO, Aelan Cell Technologies, Inc., USA Title: TBA
11:30 – 11:55 AM	Bernard A.J. Roelen, PhD. Associate Professor Utrecht University, The Netherlands Title: piRNAs in mammalian oocytes	11:30 – 12:00 PM	Rosemary Fricker, PhD. Reader Keele University, UK Title: Vitamins B ₃ and D ₃ influence the development and survival of midbrain dopamine neurons

11:55 – 12:20 PM	Yoko Matsuno, MD. PhD. Researcher Niigata University School of Medicine, Japan Title: Xist/XIST RNA and possible triplex formation for localization to chromatin with redundancy	12:00 – 12:30 PM	Giuseppe Sciamanna, PhD. Researcher University Of Rome “TorVergata”, Italy Title: Role of Rhes in striatal physiology: a potential new target in L-Dopa-induced dyskinesia
12:20 – 12:45 PM	Kosuke Yusa PhD. Group leader Wellcome Trust Sanger Institute, UK Title: A CRISPR dropout screen identifies genetic vulnerability in acute myeloid leukaemia	12:30 – 12:45 PM	SHORT PRESENTATION Speaker Name To Be Announced
12:45 – 2:00 PM	1 Hour 15 min: Lunch Break (Provided)		
2:00 – 4:15 PM	Session III: MicroRNAs in Immune Diseases & Noncoding RNAs-mediated Epigenetics Chair: Bassam Badran, PhD. LEBANON	2:00 – 4:15 PM	Session III: Neurodegenerative Diseases - I Chair: Dr. K. Broersen-Nutma NETHERLANDS
2:00 – 2:30 PM	Bassam Badran, PhD. PLENARY SPEAKER Professor, Lebanese University of Beirut, Lebanon Title: Role of microRNAs in the expression of the human IL-21	2:00 – 2:30 PM	Dr. K. Broersen-Nutma PLENARY SPEAKER Asst. Professor, University of Twente, Netherlands Title: Role of amyloid proteins and Alzheimer's disease
2:30 – 2:55 PM	Hussein Fayyad-Kazan, PhD. Researcher Université libre de Bruxelles, Belgium Title: Downregulation of microRNA-24 and -181 parallels the upregulation of IFN- γ secreted by activated human CD4 lymphocytes	2:30 – 3:00 PM	Peter Nilsson, PhD. Professor KTH – Royal Institute of Technology, Sweden Title: Human Protein Atlas enabled neuroproteomic profiling of body fluids
2:55 – 3:10 PM	Rintaro Hiraide, SHORT PRESENTATION Univ. of Cambridge, Addenbrooke's Hospital, UK Title: Interferon-induced long noncoding RNA in swine	3:00 – 3:30 PM	Deepak P. Srivastava PhD. Lecturer King's College London, UK Title: Impact of susceptibility genes on the synaptic connectivity in psychiatric disorders studied with use of human neural stem cells and super-resolution imaging
3:10 – 3:25 PM	Pamela Ajuyah, SHORT PRESENTATION University of Technology Sydney, Australia Title: The unique coregulation of the tumor suppressor PDCD4 by miR-21 and miR-499	3:30 – 4:00 PM	Karl Emanuel Busch, PhD. Chancellor's Fellow University of Edinburgh, Scotland-UK Title: The long and the short of sensory processing in <i>C. elegans</i>
3:25 – 3:50 PM	Antonello Mallamaci, PhD. Associate Professor, SISSA, Trieste, Italy Title: Upregulating endogenous genes by an RNA-programmable artificial transactivator	4:00 – 4:15 PM	SHORT PRESENTATION Speaker Name To Be Announced
3: 50 – 4:15 PM	Isabelle Mansuy, PhD. Professor, University/ETH Zürich, Switzerland Title: Non-coding RNAs in transgenerational inheritance in mammals	--- -----	---- -----
4:15 – 4:45 PM	30 min. PM REFRESHMENT BREAK		
4:45 – 6:30 PM	Session IV: Small RNA Profiling & MicroRNAs in	4:15 – 6:30 PM	Session IV: Neurodegenerative Diseases - II

	Aging and Drug Resistance Chair: Marc Winnefeld, PhD. GERMANY		Chair: Peter Vangheluwe, PhD. BELGIUM
4:45 – 5:15 PM	Marc Winnefeld, PhD. PLENARY SPEAKER Head of Aged Skin Lab, Beiersdorf AG, Germany Title: Identification of microRNAs involved in skin aging	4:45 – 5:15 PM	Peter Vangheluwe, PhD. PLENARY SPEAKER Associate Professor, Catholic University, Belgium Title: Unlocking ATP13A2/PARK9 activity protects against mitochondrial stress
5:15 – 5:40 PM	Fiona Furlong, PhD. Lecturer Queens University Belfast, UK Title: A miR-433 mediated mechanism of chemoresistance	5:15 – 5:45 PM	Dr. Anna Häggmark Postdoctoral Scientist KTH – Royal Institute of Technology, Sweden Title: Proteomic plasma profiling within ALS
5:40 – 6:05 PM	Lyudmila Gulyaeva, PhD. DB. Professor Inst. of Molecular Biology & Biophysics, Russia Title: Effect of long term exposure of DDT on microRNA expression in rat female organs	5:45 – 6:15 PM	Minako Hoshi, PhD. Associate Professor Kyoto University School of Medicine, Japan Title: Na ⁺ , K ⁺ -ATPase alpha 3 is a new death target of Alzheimer amyloid-beta assembly
6:05 – 6:30 PM	Dr. David Simpson, Senior Lecturer Queen's University Belfast, UK Title: Small RNA profiling in plasma	6:15 – 6:30 PM	SHORT PRESENTATION Speaker Name To Be Announced
6:30 PM	End of 1st day session	6:05 PM	End of 1st day session

NOVEMBER 3, 2015, TUESDAY

8:00 AM	REGISTRATION OPEN: Coffee/Tea & Refreshments		
8:45 – 10:30 AM	JOINT INAUGURAL SESSION IV: Chair: Krishnarao Appasani, PhD.		
8:45 – 9:00 AM	Welcome Note by Organizer: Krishnarao Appasani, PhD. GeneExpression Systems, Inc. USA		
9:00 – 9:30 AM	KEYNOTE SPEKER: HERMONA SOREQ, Ph.D. Professor of Molecular Neuroscience The Edmond and Lily Safra Center for Brain Sciences. The Hebrew University of Jerusalem, Israel Title: From Mice to men: MicroRNA regulators of stress-induced cholinergic signaling		
9:30 – 10:00 AM	KEYNOTE SPEKER: MICHEL GOEDERT, MD., FRS., FMedSci. Professor of Neurobiology MRC-Lab of Molecular Biology, United Kingdom Title: Tauopathies and alpha-synucleinopathies and at identifying disease modifiers		
10:00 – 10:30 AM	KEYNOTE SPEKER: GERO MIESENBOCK, MD., FRS., Waynflete Professor of Physiology Director, Centre for Neural Circuits and Behaviour, University of Oxford, United Kingdom Title: Light Sleep		
10:30 – 11:00 AM	30 min BREAK		
	TWO PARALLEL SESSIONS STARTS FROM NOW		
	MICRO RNAs, NON CODING RNAs & GENOME EDITING Held at Peterhouse Theater		NEURO DEGENERATIVE DISEASES & OPTOGENETICS Held at Upper Hall
11:00 – 12:35 PM	Session V: MicroRNAs as Biomarkers Chair: Oluf Dimitri Røe, MD, PhD. NORWAY	11:00 – 12:30PM	Session V: Molecular Imaging & Optogenetics Chair: Dr. Albrecht Stroh, GERMANY
11:00 – 11:30 AM	Oluf Dimitri Røe, MD, PhD. Plenary Speaker	11:00 – 11:30 AM	Dr. Albrecht Stroh, Plenary Speaker

	Professor, Norwegian Univ. of Sc. & Tech., Norway Title: Title: Early diagnosis of lung cancer and mesothelioma by multi-omics, techniques and feasibility		Professor, University Mainz, Germany Title: From correlations to causality: Combining high-field fMRI, optogenetics and optical calcium recordings in rodents
11:30 – 11:55 AM	Lorraine O'Driscoll, PhD. Associate Professor Trinity College Dublin, Ireland Title: Exosomes, their miRNAs and Cancer	11:30 – 12:00 PM	Dr. Massimo De Vittorio, Director of CBNT IIT, & Università del Salento, Italy Title: Nanomachined tapered optical fibers for optogenetics
11:55 – 12:10 PM	Pieter Mestdagh, PhD. SHORT PRESENTATION Researcher, Ghent Univ.Hospital, Belgium Title: Non-coding RNAs in cancer as novel biomarker therapeutic targets	12:00 – 12:30 PM	Christof Taxis, PhD. Junior Group Leader Philipps-Universität Marburg, Germany Title: Development and application of an optogenetic tool for synthetic regulation of protein stability
12:10 – 12:35 PM	Jan Oxholm Gordeladze, PhD. Professor University of Oslo, Norway Title: Bioinformatics of non-coding RNAs and the importance of microRNAs as blood biomarkers	---	-----
12:35 – 2:00 PM	1 Hour 25 min: Lunch Break (ON YOUR OWN)		
2:00 – 4:15 PM	Session VI: Genome Editing & MicroRNAs, NcRNAs in Disease Biology - I Chair: Marie-Laure Baudet, PhD. ITALY	2:00 – 4:30 PM	Session VI: Neurodegenerative Diseases and Therapeutic Strategies Chair: Eilís Dowd, PhD. IRELAND
2:00 – 2:30 PM	Marie-Laure Baudet, PhD. Plenary Speaker Principal Investigator, University of Trento, Italy Title: microRNAs: subcellular action in neurons during brain wiring	2:00 – 2:30 PM	Eilís Dowd, PhD. Senior Lecturer Plenary Speaker National University of Ireland, Ireland Title: Gene-environment interactions as an approach to modelling Parkinson's disease
2:30 – 2:55 PM	Fergal J. O'Brien, PhD. Professor Royal College of Surgeons in Ireland, Ireland Title: Collagen-based scaffolds for microRNA delivery to enhance tissue regeneration	2:30 – 3:00 PM	Lad Yatish, PhD. Researcher Oxford BioMedica (UK) Ltd., UK , Title: Gene therapy for the treatment of Parkinson's disease
2:55 – 3:20 PM	Zuzsanna Izsvak, PhD. Group Leader Max Delbruck Ctr. for Mol. Medicine, Germany Title: Genome editing by transposable elements	3:00 – 3:30 PM	Dr. Claire Kelly, Lecturer Cardiff Metropolitan University, UK Title: Making medium spiny neurons for neural transplantation
3:20 – 3:45 PM	Samantha Barichievy, PhD. Sr. Res. Scientist Astra Zeneca, <i>Sweden</i> Title: Non-coding RNAs and HIV	3:30 – 4:00 PM	Linda Greensmith, PhD. Professor, University College London, UK Title: Using Optogenetics and stem cell-derived neural grafts to restore motor function
3:45 – 4:10 PM	Boye S. Nielsen, PhD. Research Manager Bioneer A/S, Denmark Title: miR-21 expression in breast cancer	4:00 – 4:30 PM	Speaker Name To Be Announced
4:10 – 4:35 PM	25 min. PM REFRESHMENT BREAK		
4:35 – 6:45 PM	Session VII: MicroRNAs/NcRNAs in Disease		

	Biology - II Chair: Paul S. Foster, PhD, DSc. AUSTRALIA	---	---	---	-----	-----
4:35 – 5:05 PM	Paul S. Foster, PhD, DSc. Plenary Speaker Laureate Professor, Univ. of Newcastle, Australia Title: MicroRNAs in lung diseases	---	---	---	-----	-----
5:05 – 5:20 PM	Dr. Rachael Huntley SHORT PRESENTATION Sr. Research Associate University College London, UK Title: Functional annotation of cardiovascular-related miRNAs using the Gene Ontology	---	---	---	-----	-----
5:20 – 5:35 PM	Aida Zamora-Contreras, SHORT PRESENTATION PhD Student, Cinvestav, Mexico Title: MicroRNAs expression in cervical carcinoma					
5:35 – 6:00 PM	Ping Gao, PhD. Professor University of Science & Technology of China, China Title: The roles of miRNAs in regulating Warburg Effect in cancer cells as well as in stem cells	---	---	---	-----	-----
6:005 – 6:25 PM	Speaker Name To Be Announced	---	---	---	-----	-----
6:30 PM	CLOSE of MicroRNAs Meeting					