Tentative AGENDA (as of Oct. 20, 2011)

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

MicroRNAs & Single Molecule Biology Europe-2011-Meeting

Venue: Peterhouse College, University of Cambridge, Cambridge, UK **Date:** November 1 - 2, 2011

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

	NOVEMBER 1, Tuesday		NOVEMBER 2, Wednesday
8:00 AM	**REGISTRATION OPEN:** Coffee & Tea	8:00 AM	**REGISTRATION OPEN:** Coffee & Tea
9:00 – 10:40 PM	**Session I: Overview of MicroRNAs & Single Molecule Studies** **Chair: Krishanrao Appasani, PhD, MBA, USA**	9:00 – 10:30 AM	**Session V: Overview of Chemical Biology** **Chair: Krishanrao Appasani, PhD, MBA, USA**
9:00 – 9:10 AM	**Welcome Note & Introduction of Keynote Speaker by:** **Krishnarao Appasani, PhD.** *GeneExpression Systems, USA*	9:00 – 9:05 AM	**Introduction of Keynote Speaker by:** **Krishnarao Appasani, PhD.** *GeneExpression Systems, USA*
9:10 – 9:50 AM	**Keynote Lecture by:** **Witolod Filipowicz, MD, PhD.** Professor & Sr. Group Leader Friedrich Miescher Institute for Biomedical Research Basel, Switzerland **Title:** Regulation of miRNA repression and miRNA turnover in mammalian cells	9.05 – 9.45 AM	**Keynote Lecture by:** **Manfred Auer, PhD.** Professor of Chemical Biology & The University of Edinburgh, Edinburgh, Scotland **Title:** TBA
9:50 – 10:15 AM	**Sophie E. Jackson, PhD.** Reader in Biophysical Chemistry University of Cambridge, Cambridge, UK **Title:** Single-molecule studies on protein conformation and folding	9:45 – 10:10 AM	**Joerg Enderlein, PhD.** Professor of Physics Georg August University Goettingen, Germany **Title:** Fluorescence correlation spectroscopy: Basics and applications
10:15 – 10:40 AM	**Jiri Vanicek, PhD.** Asst. Prof. of Theoretical Physical Chemistry Ecole polytechnique fédérale de Lausanne,Lausanne, Switzerland **Title:** Accurate microRNA target prediction: accessibility, conservation, and herpesvirus latency	10:10 – 10:35 AM	**A. Sri Rama Koti, PhD.** Reader in Chemical & Biological Sciences Tata Institute of Fundamental Research, Mumbai, India **Title:** Single-molecule force spectroscopy studies of the parallel unfolding pathways of maltose binding protein
10:40 – 11:00 AM	**20 Minutes AM Break**	10:35 – 10:50 AM	**15 Minutes AM Break**
11:00 – 12:40 PM	**Session II: MicroRNAs in Development** **Chair: E. Jane C. Mellor, United Kingdom**	**10:50 – 12:30 AM**	**Session VI: MicroRNAs in Diabetes & Biophysical studies** **Chair: Harukazu Suzuki, Japan**
11:00 – 11:25 AM	**E. Jane C. Mellor, PhD.** Professor of Biochemistry University of Oxford, Oxford, UK **Title:** Dynamic and plastic transcription units in Yeast	10:50 – 11:15 AM	**Dr. Romano Regazzi,** Associate Professor of Cell Biology & Morphology University of Lausanne, Lausanne, Switzerland **Title:** Emerging roles of microRNAs in the development of diabetes
11:25 – 11:50 AM	**Ahmet Ucar, PhD.** Postdoctoral Fellow German Cancer Research Center, Heidelberg, Germany **Title:** MicroRNA-dependent regulation of mammary gland development	11:15 – 11:40 AM	**Cristina Flors, PhD.,** Royal Society Fellow University of Edinburgh, Edinburgh, Scotland **Title:** Fluorescence photoswitching in DNA: applications in advanced fluorescence microscopy
11:50 – 12:15 PM	**Simon Arthur, PhD.** Investigator University of Dundee, Dundee, Scotland **Title:** Roles of miR132 and 212 in synaptic plasticity	11:40 – 12:05 PM	**Laurent Holtzer, PhD.** Post doctoral Fellow in Biochemistry University of Geneva, Geneva, Switzerland **Title:** Using single molecule microscopy to study development and growth in living tissue
12:15 – 12:40 PM	**Stefanie Avril, MD.** Technical University Munich, Munich, Germany **Title:** Intratumoural heterogeneity of microRNA expression in breast cancer	N/A	N/A
12:40 – 1:45 PM	**Lunch Break 1 hour 05 min**	**12:05 – 1:30 PM**	**Lunch Break 1 hour 25 min.**
1:45 – 3:55 PM	**Session III: Young Scientist's Forum on Single Molecule Biology: From Fluorescence Spectroscopy to Microscopy & Live Cell Imaging** **Chair: Yuichi Taniguchi, Japan**	**1:30 – 3:35 PM**	**Session VII: MicroRNAs in Immunology, Vascular Diseases & Neuroblastomas** **Chair: Bassam Badran, Lebanon**
1:45 – 2:10 PM	**Frauke Mickler, MSc.,** PhD student in the Lab of Prof. C. Bräuchle Ludwig-Maximilians-Universitat Munchen, Munchen, Germany **Title:** Drug and gene Delivery with "smart" nanoparticles and live cell i	1:30 – 1:55 PM	**Bassam Badran, PhD.**, Professor of Immunology Lebanese University- Faculty of Sciences, Beirut, Lebanon **Title:** CD4+CD25+CD127low Regulatory T cells: microRNA signature and effect of valproate on microRNA and FOXP3 expression levels in CD4+CD25- T cells

2:10 – 2:35 PM	**Yuichi Taniguchi, PhD.** Unit Leader RIKEN Quantitative Biology Center, Osaka, **Japan** **Title:** Quantifying E. coli proteome and transcriptome with single-molecule sensitivity in single cells	1:55 – 2:20 PM	**Donato Santovito, MD.** Center of Excellence on Atherosclerosis University of Chieti, G. D'Annunzio School of Medicine, Chieti, **Italy** **Title:** microRNAs and atherosclerosis progression
2:35 – 3:00 PM	**Luis Alberto Campos** PhD Student from the Lab. Of Dr. Victor Muñoz Centro de Investigaciones Biológicas (CSIC), Madrid, **Spain** **Title:** Microsecond-resolution single-molecule fluorescence spectroscopy	2:20 – 2:45 PM	**Yuri D'alessandra, PhD.** Lab. Biologia Vascolare e Medicina Rigenerativa**,** Centro Cardiologico Monzino, **Italy** **Title:** Circulating microRNAs in Cardiovascular Disease
3:00 – 3:25 PM	**Alexander Kleefen** PhD Student from the Lab of Prof. Robert Tampe Johann Wolfgang Goethe-University , Frankfurt A.M, **Germany** **Title:** Multiplexed single transmembrane recordings on nanopore array	2:45 – 3:10 PM	**Jørgen Kjems, PhD.** Professor of Molecular Biology Aarhus University-iNANO Center, Aarhus C, **Denmark** **Title:** A nuclear function for miRNA: Ago2-mediated cleavage of a circular antisense RNA
3:25 – 3:40 PM	**Anna Pezzarossa** **Short Presentation** PhD Student in the Lab. of Prof. Thomas Schmidt Leiden University, Leiden, **The Netherlands** **Title:** Membrane Domains and Signaling – From PALM imaging to μs-single-molecule tracking	3:10 – 3:35 PM	**Dr. Isabella M. Bray** Royal College of Surgeons in Ireland, Dublin, **Ireland** **Title:**MicroRNA-542-5p as a Novel Tumor Suppressor in Neuroblastoma
3:40 – 3:55 PM	**Laurens Lindenburg** **Short Presentation** PhD Student in the lab of Dr. Merkx Eindhoven University of Technology, Eindhoven, **The Netherlands** **Title:** Engineering protein switches. Sensors and regulators for biology and diagnostics	N/A	**N/A**
3:55 – 4:15 PM	**PM Break 20 min - Visit of Posters**	**3:35 – 3:50 PM**	**PM Break 15 min - Visit of Posters**
4:15 – 6:00 PM	**Session IV: Young Scientist's Forum on Small RNAs Regulation:** **Chair: Rinat Goren, Israel**	**3:50 – 6:00 PM**	**Session VIII: MicroRNAs in Cancer Biology** **Chair: Matthew Murray, UK**
4:15 – 4:40 PM	**Rinat Goren, PhD.,** Assistant Staff Scientist of Physics Weizmann Institute of Science, Rehovot, **Israel** **Title:** Small RNA regulation on cell-cell variability in bacteria	3:50 – 4:15 PM	**Matthew Murray, MB BChir, MRCP.** Paediatric Oncologist Hutchison/MRC Research Centre, Univ. of Cambridge, **UK** **Title:** microRNAs in malignant germ cell tumours
4:40 – 4:55 PM	**Thomas J. Hardcastle, PhD.** Postdoctoral Fellow in the Lab. Of Dr. David Baulcombe University of Cambridge, Cambridge, **UK** **Title:** Analysis of small RNAs and their sequencing data	4:15 – 4:40 PM	**Harukazu Suzuki, PhD.** Deputy Director of Omics Science Center RIKEN Yokohama Institute, Yokohama City, Kanagawa, **Japan** **Title:** miRNA regulation of Leukemia
4:55 – 5:10 PM	**Ioanna Keklikoglou,** PhD Student **Short Presentation** German Cancer Research Center, Heidelberg, **Germany** **Title:** A Genome-wide miRNA screen reveals novel regulators of NF-κB signaling in breast cancer	4:40 – 5:05 PM	**Olaf Merkel, PhD.** Group Leader of Immunology Private Medizinische Universität & Hospital, Salzburg, **Austria** **Title:** Effect of Anaplastic Lymphoma Kinase Deregulation on microRNAs in cancer
5:10 – 5:35 PM	**Larry Croft, PhD.** Post doctoral Fellow in the Lab of Dr. Jan Gorodkin University of Copenhagen, Copenhagen, **Denmark** **Title:** Glimpses of transcription factor: miRNA regulatory network structure	5:05 – 5:30 PM	**Miljana Tanic**, PhD Student in Human Genetics Group Spanish National Cancer Research Centre (CNIO), Madrid, **Spain** **Title:** Integration of BRCA1 mediated miRNA and mRNA profiles reveal microRNA regulation of TRAF2 and NFkB pathway
5:35 – 6:00 PM	**Haydn Prosser, PhD.** Staff Scientist in the Lab. Of Dr. A. Bradley Wellcome Trust Sanger Institute, Hinxton-Cambridge, **UK** **Title:** Establishment and distribution of new microRNA resource to study the role of microRNAs	N/A	**N/A**
6:00 PM End of 1st day session		**5:30 PM End of Conference CLOSING REMARKS**	