

Non-coding RNAs & Synthetic Biology-2009 Meeting

at Embassy Suites at SFO International Airport
150 Anza Blvd. Burlingame, CA, 94010 USA

AGENDA/ SPEAKERS*

Meeting on December 7-8, 2009

Scientific Organizers:

Krishnarao Appasani, PhD., MBA. GeneExpression Systems, Inc., USA
Chang-Zheng Chen, PhD. Stanford University Medical School, USA
Andrei Goga, MD., PhD. University of California at San Francisco, USA
Julia Lange, PhD. Febit biomed GmbH, Germany

Day 1: Monday, December 7

8:30 A.M: Registration Open

9.00 AM – 12.30 PM: Session I: Biology of Non-coding RNAs

Chair: Krishna Appasani

9.00 - 9.15 AM

Chairman's Welcoming Note: Krishnarao Appasani, PhD.

Founder & CEO, GeneExpression Systems, Waltham, Massachusetts, USA &
Chairman, Appasani Research Conferences & Educational Institute (ARCEI.org), USA
Presentation of MicroRNAs Innovator Award to Dr. Deepak Srivastava

9.15 – 10.00 AM

Keynote Lecture by Dr. Deepak Srivastava, MD.

Professor of Pediatrics, Biochemistry and Biophysics & Director of Gladstone Institute
University of California at San Francisco, USA, USA

Title: MicroRNA regulation of stem cell fate

10.00 – 10.30 AM

Fen-Biao Gao, PhD.

Associate Professor of Neurology & Associate Investigator at Gladstone Institute
University of California at San Francisco, USA, USA

Title: Role of microRNAs in Neuronal Differentiation of Human Embryonic Stem Cells

10.30 – 11.00 AM Refreshment Break (30 min)

11.00 – 11.30 AM

Ben Haley, PhD.

Postdoctoral Fellow in the lab of Dr. Mike Levine
University of California at Berkeley, CA USA

Title: The function(s) of miRNAs in *Drosophila*

11.30 – 12.00 PM

Feng Guo, PhD.

Assistant Professor of Biological Chemistry
University of California at Los Angeles, CA, USA

Title: DGCR8-heme interaction is essential for microRNA processing in humans

12.00 – 12.30 PM

Andrew Yoo, PhD.

Postdoctoral Fellow in the lab of Dr. Gerald Crabtree
Stanford University School of Medicine, Palo Alto, CA, USA

Title: MicroRNA-mediated subunit switching of chromatin remodeling complexes during neural development

12.30 – 1.30 PM Lunch Break (1 hour) Lunch will be provided

1.30 – 3.00 PM: Session II: Non-coding RNAs in Disease Biology:
Chair: Julia Lange

1.30 – 2.00 PM **Andrei Goga, MD., PhD.**
Assistant Professor of Medicine, Hematology/Oncology
University of California at San Francisco, USA, **USA**
Title: miRNA regulation of oncogenes and tumor suppressors

2.00 - 2.30 PM **Julia Lange, PhD.**
Marketing Manager
Febit biomed GmbH, Heidelberg, **Germany**
Title: miRNA biomarker profiling from blood - A promising approach for non-invasive diagnostic testing

2.30 – 3.00 PM **Hideo Baba, MD., PhD.**
Professor of Gastroenterological Surgery
Kumamoto University Graduate School of Medical Sciences, Kumamoto, **Japan**
Title: MicroRNA in esophageal squamous cell carcinoma

3.00 – 3.30 PM: Refreshment Break (30 min)

3.30 – 5.00 PM: Session III: MicroRNA Target Identification & Stem Cells

Chair: Andrei Goga

3.30 – 4.00 PM **Shuo Gu, PhD.**
From the Lab of Professor Mark Kay
Stanford University School of Medicine, Palo Alto, CA, **USA**
Title: The translational traffic jam: Evidence as to why endogenous microRNA targets are localized to the 3'UTR

4.00 – 4.30 PM **Collin Melton**
PhD Student in the Lab of Dr. Robert Beloch
Eli and Edythe Broad Center for Regeneration Medicine
University of California at San Francisco, **USA**
Title: microRNA stabilization of the switch between ESC self-renewal and differentiation

4.30 – 5.00 PM **Na Xu, PhD.**
Postdoctoral Fellow in the Lab of Dr. Ken Kosik
Neurosciences Institute & University of California at Santa Barbara, **USA**
Title: MicroRNA regulates transcription factors and represses pluripotency in human embryonic stem cells

5.00 PM End of Day 1 Sessions

Day 2: Tuesday, December 8, 2009

8:00 A.M: Registration Open

9.00 AM – 12.00 PM: Session IV: Synthetic Genes, Genomes & Nano-enabled Science
Chair: Heinz Schwer

9.00 – 9.30 AM **Keynote Lecture by Patrick Westfall, PhD.**
Scientist III
Amyris Biotechnologies, Inc. Emeryville, CA, **USA**
Title: Microbially-Derived Artemisinin: Engineering yeast using Synthetic Biology to Stabilize the Supply of an important Antimalarial drug for the Developing World

9.30 – 10.00 AM **Heinz Schwer, PhD.**
Co-Founder & CEO
Sloning BioTechnology GmbH, Puchheim, **Germany**
Title: Slonomics[®] - An innovative toolbox to create antibody libraries that precisely display immunoglobulin repertoires

10.00 – 10.30 AM **Jongmin Kim, PhD.**
Senior Researcher
Cbs Bioscience, Inc. **Korea**
Title: *In vitro* synthetic transcriptional oscillators

10.30 – 11.00 AM Refreshment Break (30 min)

11.00 – 11.30 PM **Norman Packard, PhD.**
Chief Executive Officer
ProtoLife, Inc. **USA**

11.30 – 12.00 PM **Chang-Zheng Chen, PhD.**
Assistant Professor of Microbiology & Immunology
Stanford University School of Medicine, Palo Alto, CA, **USA**
Title: TBA

12.00 – 1.30 PM Lunch Break

1.30 – 3.00 PM: Session V: Non-coding RNAs in Virology & Diabetes
Chair: Don Ganem

1.30 – 2.00 PM **Don Ganem, MD.**
Professor of Microbiology and Medicine & Investigator of HHMI
University of California at San Francisco, **USA**
Title: Small non-coding RNAs in the biology of KSHV

2.00 – 2.30 PM **Hart Dengler, PhD.**
Dept. of Microbiology and Immunology & UCSF Diabetes Center
University of California at San Francisco, **USA**
Title: A Loud Voice for a Quiet RNA

2.30 – 3.00 PM **Mitsuo Kato, PhD.**
Assistant Research Professor at the Gonda Diabetes Center
Beckman Research Institute of the City of Hope, Duarte, CA, **USA**
Title: MicroRNA cascade in response to transforming growth factor beta and mouse models of diabetic nephropathy

3.00 – 3.15 PM Refreshment Break (15 min)

3.15 – 4.15 PM: Session V: Non-coding RNA Regulatory Networks & Analysis
Chair: Barbara Gould

3.15 – 3.45 PM **Barbara Gould, PhD.**
Field Applications Scientist
Exiqon, Inc. Woburn, MA, **USA**
Title: Highly sensitive and specific LNATM-enhanced real-time PCR for high throughput microRNA expression profiling in Clinical Formalin Fixed Tissue Samples and Human Blood Serum and Plasma Samples

3.45 – 4.15 PM **Jun-An Chen, PhD.**
Postdoctoral Fellow in the Lab of Dr. Hynek Wichtele
Columbia University College of Physicians & Surgeons, New York, NY, **USA**
Title: Repertoire of microRNAs and transcriptional factors to pattern ventral spinal cord

4.15 PM CLOSING REMARKS by Krishna Appasani & Announcement of next year Meeting

* Speaker names, titles and order may subject to change.

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