
8. MICROSYMPOSIUM ON SMALL RNA
IMBA , Vienna, May 27th - 29th
Institute of Molecular Biotechnology
of the Austrian Academy of Sciences
2013
Keynote Lecture:
Narry Kim
Biology of Small RNAs
Richard Carthew
Antonio Giraldez
Chris Hammell
Ana Eulalio
Small RNAs in Genome Defense
Shiv Grewal
Eric Miska
Ramesh Pillai
Jean-René Huynh
Kuniaki Saito
Structures and Mechanisms in Small RNA Pathways
Elisa Izaurralde
Dinshaw Patel
Yukihide Tomari
Anastasia Khvorova
Marina Chekulaeva
Grzegorz Kudla
Special Session for Tomorrow's PIs (6 speakers)
PhD Workshop - Talks will be chosen from abstracts submitted until April 30th to Javier.Martinez@imba.oeaw.ac.at
Technology & Application Session with Speakers from Industry
Attendance is free Please register until April 30th http://www.imba.oeaw.ac.at/microsymposium/

Program of the 8th Microsymposium on Small RNAs

May 27th – 29th , 2013, IMBA, Vienna

Monday 27th

11.00 – 11.10 Welcome and Introduction

11.10 – 13.00	**Structure and Mechanism (1)**
11.10 – 11.40	**Elisa Izaurralde** – Mechanisms of miRNA-mediate gene silencing
11.40 – 12.10	**Jeremy Wilusz (Sharp Lab)** – Changing dogmas of post-transcriptional control: Lessons from the MALAT1 noncoding RNA
12.10 – 12.30	**Thermo Scientific** – Tools for Analyzing MicroRNA Function in Mammalian Cells
12.30 – 13.00	**Carolyn Phillips (Ruvkun Lab)** – Compartmentalization of siRNA and piRNA pathways in C. elegans

13.00 – 14.00 Lunch

14.00 – 15.00	**Keynote Lecture**
Narry Kim – Regulation of microRNA through alternative processing and modifications	

15.00 – 16.40	**PhD Workshop – Part 1**
15.00 – 15.20	**Daniela Praher** (Technau Lab, University of Vienna) – Cnidarian microRNAs regulate their targets by a plant-like cleavage mechanism
15.20 – 15.40	**Alfred Bronkhorst** (van Rij Lab, Nijmegen Centre for Molecular Life Sciences) – The DNA virus Invertebrate iridescent virus 6 is a target of the Drosophila RNAi machinery
15.40 – 16.00	**Judith Hauptmann** (Meister Lab, University of Regensburg) – Turning catalytically inactive human Argonaute proteins into active slicer enzymes
16.00 – 16.20	**Jennifer Gebetsberger** (Polacek Lab, Innsbruck Medical University) – When small non-coding RNAs meet the ribosome: Tuning the translational machinery
16.20 – 16.40	**Sophie Wöhrer** (Mochizuki Lab, IMBA) – Assembly of a functional small RNA effector complex in Tetrahymena

16.40 – 17.10 Break

17.10 – 19.00	**Genome defense (1)**
17.10 – 17.40	**Jean-René Huynh** – tRNA fragments and transposable elements silencing in the *Drosophila* germline
17.40 – 18.10	**Ramesh Pillai** – Role of yet another tudor domain protein Tdrd12 in mouse piRNA biogenesis and its essential role for transposon silencing
18.10 – 18.30	**Qiagen –** *To be determined*
18.30 – 19.00	**Tai Montgomery (Ruvkun Lab)** – Crosstalk between small RNA pathways in C. elegans

19.00 – 19.20 EMBO Journal

19.30 Dinner at the IMBA/IMP cafeteria

Tuesday 28th

9.00 – 10.30	**Small RNA Biology (1)**
9.00 – 9.30	**Richard Carthew** – Regulation of miRISC activity by lipid signaling
9.30 – 10.00	**Sue-Jean Hong (Bartel Lab)** – Biological roles of miRNA-200 regulation of Zeb1 and Zeb2 during mammalian development
10.30 – 11.00	**Antonio Giraldez** – How life begins: The maternal to zygotic transition

10.30 – 11.00 Break

11.00 – 12.30	**Genome Defense (2)**
11.00 – 11.30	**Shiv Grewal** – Epigenetic genome control by RNAi and heterochromatin machinery
11.30 – 12.00	**Kuniaki Saito** – DmGTSF1 is required for effective retrotransposon silencing by Piwi and ovarian development in Drosophila
12.00 – 12.30	**Eric Miska** – Social RNA

12.30 – 13.30 Lunch

13.30 – 15.00	**Structure and Mechanism (2)**
13.30 – 14.00	**Yukihide Tomari** – Assembly and function of RISC
14.00 – 14.30	**Illumina –** ENCODE your research: Gene Expression and Regulation Update
14.30 – 15.00	**Markus Hafner (Tuschl Lab)** – RNA targets of LIN28

15.00 – 15.30 Coffee break / Poster viewing

15.30 – 16.20	**Mechanism and Application**
15.30 – 16.00	**Anastasia Khvorova** – RNA Therapeutics: Promise and Reality
16.00 – 16.20	**Christof Fellmann (Mirimus)** – A processing-optimized backbone boosts the effectiveness of experimental miRNA-based RNAi

16.20 – 16.50 **Helen Pickersgill** – Scientific writing from an editor's perspective

17.00 - Tour, Dinner with academic speakers

Wednesday 29th

9.00 – 10.30	**Small RNA Biology (2)**
9.00 – 9.30	**Chris Hammell** – The coupling of temporal gene expression and cell fate specification
9.30 – 10.00	**Ana Eulalio** – Shedding light on microRNA function through High Content Screening
10.00 – 10.30	**Petr Svoboda** – The real RNAi – a tale of naughty mice

10.30 – 11.00 Break

11.00 – 13.00	**PhD Workshop – Part 2**
11.00 – 11.20	**Felix Muerdter** (Hannon Lab, CSHL)– A genome-wide RNAi screen draws a genetic framework for transposon control and primary piRNA biogenesis in Drosophila
11.20 – 11.40	**Mirela Marasovic** (Halic Lab, Gene Center Munich) – Argonaute and Trimmer generate Dicer-independent priRNAs and mature siRNAs to initiate heterochromatin formation
11.40 – 12.00	**Zhao Zhang** (Zamore Lab, UMass Medical School) – Rhino binding and convergent transcription are sufficient to generate a piRNA-producing locus
12.00 – 12.20	**Matyas Ecsedi** (Großhans Lab, FMI Basel)– Quantitative analysis reveals extensive target specificity of individual let-7 miRNA family members in vivo
12.20 – 12.40	**Grzegorz Sienski** (Brennecke Lab, IMBA) – Dissection of the Piwi-mediated transcriptional silencing process

13.00 – 15.00 Lunch and poster viewing

15.00 – 16.30	**Structure and Mechanism (3)**
15.00 – 15.30	**Dinshaw Patel** – Structural Biology of Prokaryotic and Eukaryotic Argonautes
15.30 – 16.00	**Ryuya Fukunaga (Zamore Lab**) – Regulation of Dicer activity by partner proteins and a small molecule
16.00 – 16.30	**Marina Chekulaeva** – Exploring the mechanisms of miRNA function

16.30 – 17.00 Break

17.00 – 18.20	**New Frontiers**
17.00 – 17.30	**Grzegorz Kudla** – Mapping human miRNA interactions by CLASH
17.30 – 17.50	**Exiqon –** MicroRNA in biofluids - Robust biomarkers for disease
17.50 – 18.20	**Uli Elling** – Forward and reverse genetics in haploid embryonic stem cells

18.20 – 18.30 Award and closing of the meeting

18.30 - Dinner at IMBA