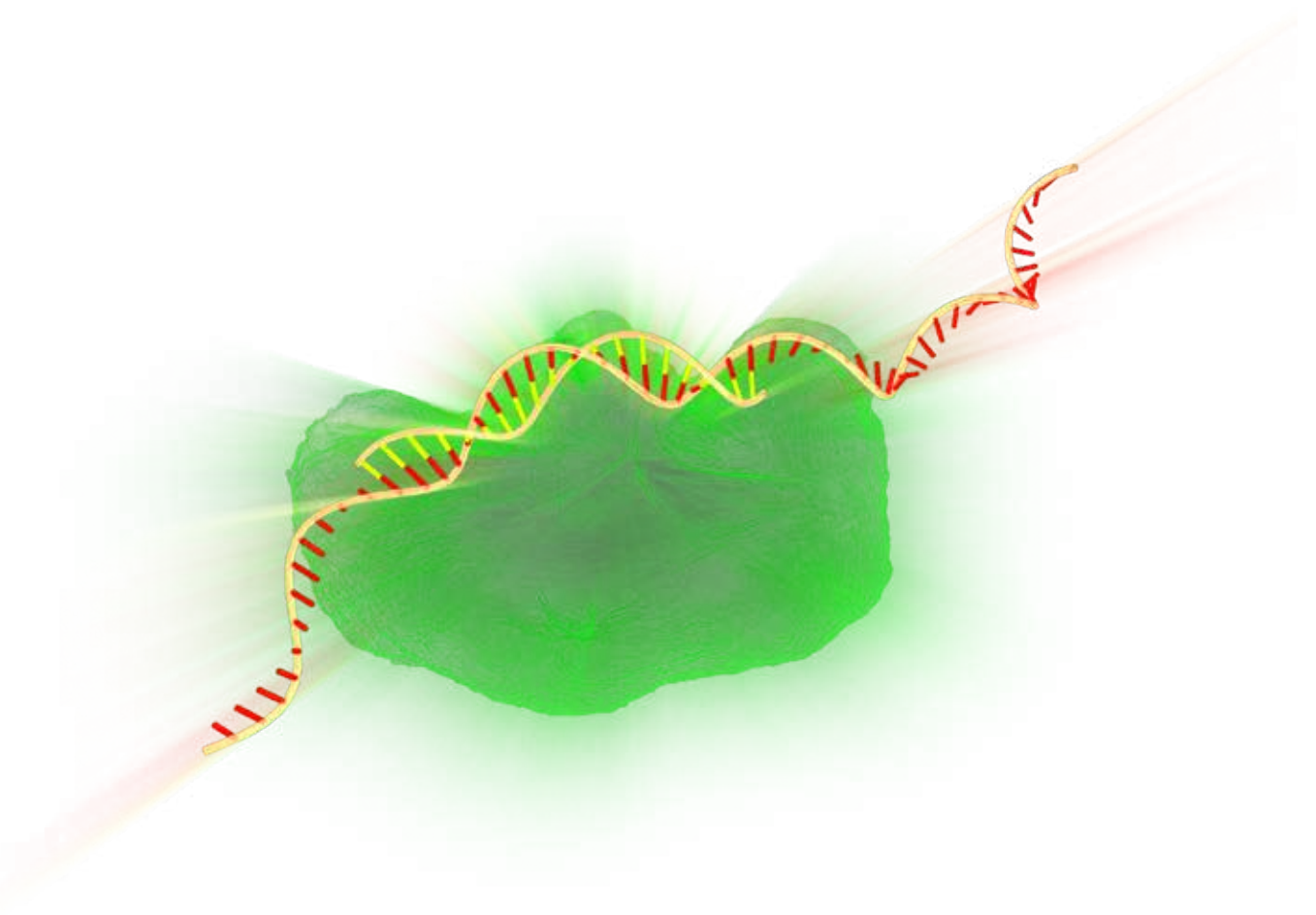
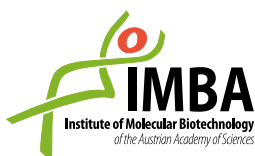


3rd MICROSYMPOSIUM_{on} SMALL RNAs

IMBA, Vienna, May 19th - 21st 2008





3rd MICROSYMPOSIUM_{on} SMALL RNAs Program

Monday 19th

13.30: General setup, welcome and initial remarks

14.00-16.00: Mechanistic aspects of small RNAs

Elisa Izaurralde: "Mechanism of miRNA-mediated gene silencing"

Dónal O'Carroll: "Genetic insights into the mechanism of RISC function in mice"

Ramesh Pillai: "Accumulation of piRNA methyltransferase mHEN1 in a novel cytoplasmic granule"

New England Biolabs – George Tzertzinis: "How do complex siRNA mixtures operate: a RISC assessment analysis"

Panomics Central Europe – Kai Wilkens: "bDNA-Technology for single- and multiplex gene expression profiling from various samples"

16.00-16.30: *COFFEE BREAK*

16.30-17.50: PhD-Workshop, Session One: Small RNAs in action

Inha Heo: "Control of microRNA processing and stability"

Thomas Ohrt: "Fluorescence spectroscopy methods to study RNA interference in vivo in human cells"

Mariano Alló: "siRNA-mediated epigenetic control of alternative splicing"

Michael Doyle: "Nucleo-cytoplasmic distribution of human Dicer"

17.50-18.00: *DRINKS*

18.00-19.00: Function of small RNAs. Session One

Amy Pasquinelli: "Regulation of microRNA expression and function in *C. elegans*"

Klaus Forstemann: "Biology of microRNAs in *Drosophila*"

19-00: *DINNER FOR ACADEMIC SPEAKERS*

Tuesday 20th

9.00-10.00: Bioinformatics of small RNAs

Uwe Ohler: "Prediction of viral/non-conserved miRNA targets"

Nikolaus Rajewsky: "Genome wide regulation of mRNA translation by miRNAs"

10.00-10.30: *COFFEE BREAK*

10.30-12.00: microRNAs in development and cancer

Scott Hammond: "microRNAs in development and cancer"

Andrea Ventura: "Oncomir-1 in mouse development and cancer"

OpenBiosystems – Gwen Fewell: "Multiplex RNAi"

Exiqon – Hazel Pinheiro: "Discovery of miRNA based biomarkers for cancer"

12.00-12.30: *LUNCH*

12.30-14.00: Workshop by Exiqon.

Daniele Catalucci: MicroRNAs: novel regulators in cardiac development and disease.

Gregor Obernosterer: Locked nucleic acid-based in situ detection of microRNAs

Timothy Gant: Experimentally linking in vivo differential miRNA expression with altered mRNA translation on a whole genome basis.

14.00: *COFFEE*

13.30-17.00: VISIT TO BELVEDERE MUSEUM FOR ACADEMIC AND COMPANY SPEAKERS. GUIDED TOUR, COFFEE & CAKES.

17.00-18.20: PhD-Workshop, Session Two: The many functions of small RNAs

Xavier Ding: "Translational control of endogenous let-7 microRNA target genes in *C. elegans*"

Minh Le: "Revealing the conserved functions of microRNAs in neurogenesis"

Lasse Sinkkonen: "MicroRNAs control de novo DNA methylation through regulation of transcriptional repressors in mouse embryonic stem cells"

Leonard Goldstein: "Dynamic expression of microRNAs during mouse mammary gland development"

18.20-18.30: *DRINKS*

18.30-20.00: Function of small RNAs. Session Two

Petr Svoboda: "Repression and degradation of maternal mRNAs in mouse oocytes"

Alexei Aravin: "Small RNA pathways in mouse germline"

Febit – Sonja Vorwerk: "Beyond miRNAs. Discovery and profiling small ncRNAs on flexible arrays"

Qiagen – Constanze Kindler: "Quantification and Functional Analysis of miRNA in Mammalian Cells"

20.00: *DINNER AT IMBA. EVERYBODY IS WELCOME!*

Wednesday 21st

9.00-10.30: RNAi technologies and therapeutics

Dmitry Samarsky (RXi Pharmaceuticals): "Development of a novel RNAi therapeutic platform"

Muthiah Manoharan (Alnylam): "Delivering RNAi therapeutics"

Cristina Yamada (Thermo Fisher Dharmacon): "AccellTM siRNA – an innovative technology that enables RNAi in difficult to transfect cells"

10.30-11.00: *COFFEE BREAK*

11.00-12.30: Small RNAs in plants

Allison Mallory: "Endogenous enhancers and suppressors of small RNA-mediated PTGS in plants"

Javier Palatnik: "Quantitative regulation of gene expression by plant microRNAs"

Xuemei Chen: "Small RNA metabolism in Arabidopsis"

12.30-14.00: *LUNCH*



14.00-14.30: **CequentPharma – Jens Harborth:** “Transkingdom RNAi: Bacteria as delivery tool to the GI tract”

Amaxa – Ludger Altrogge: “siRNA screening in primary and hard-to-transfect cells using the Nucleofector® 96-well Shuttle® System”

14.30-16.00: PhD-Workshop, Session Three: piRNAs and Piwi proteins

Christine Ender: “Two novel classes of small regulatory RNAs in human somatic cells”

Kata Fejes-Toth: “Genome wide profiling of promoter associated small RNAs by deep sequencing”

Dubravka Pezic: “Expression pattern and cellular localization of the mouse Argonaute protein Miwi2”

Saskia Houwing: “Piwi proteins in zebrafish”

16.00-16.30: COFFEE BREAK

16.30-18.00: Function of small RNAs. Session Three

Antonio Giraldez: “The role of microRNAs in zebrafish development”

Marc Bühler: “Argonaute associated small RNAs in fission yeast”

LC Sciences – Christoph Eicken: “microRNA profiling using a high performance, flexible μ paraflo® biochip platform”

Bio-Rad – Francisco Bizouarn: “Examining methods of delivering RNA into today's cells”

18.00-18.10: DRINKS

18.10-19.10: Function of small RNAs. Session Four

Jorg Vogel: “How bacterial RNAs regulate multiple target mRNAs”

Joel Neilson: “Global elimination of mRNA cis-regulatory elements associated with proliferation”

19.10-19.30: **Award PhDs and closing**

19.30: DINNER AT IMBA. EVERYBODY IS WELCOME!

