3rd MICROSYMPOSIUM on SMALL RNAs
IMBA, Vienna, May 19th - 21st 2008
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”
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 20\textsuperscript{th}

9.00-10.00: Bioinformatics of small RNAs
   \textbf{Uwe Ohler}: “Prediction of viral/non-conserved miRNA targets”
   \textbf{Nikolaus Rajewsky}: “Genome wide regulation of mRNA translation by miRNAs”

10.00-10.30: \textbf{COFFEE BREAK}

10.30-12.00: microRNAs in development and cancer
   \textbf{Scott Hammond}: “microRNAs in development and cancer”
   \textbf{Andrea Ventura}: “Oncomir-1 in mouse development and cancer”
   \textbf{OpenBiosystems – Gwen Fewell}: “Multiplex RNAi”
   \textbf{Exiqon – Hazel Pinheiro}: “Discovery of miRNA based biomarkers for cancer”

12.00-12.30: \textbf{LUNCH}

12.30-14.00: Workshop by Exiqon.
   \textbf{Daniele Catalucci}: MicroRNAs: novel regulators in cardiac development and disease.
   \textbf{Gregor Obernosterer}: Locked nucleic acid-based in situ detection of microRNAs
   \textbf{Timothy Gant}: Experimentally linking in vivo differential miRNA expression with altered mRNA translation on a whole genome basis.

14.00: \textbf{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
   \textbf{Xavier Ding}: “Translational control of endogenous let-7 microRNA target genes in C. elegans”
   \textbf{Minh Le}: “Revealing the conserved functions of microRNAs in neurogenesis”
   \textbf{Lasse Sinkkonen}: “MicroRNAs control de novo DNA methylation through regulation of transcriptional repressors in mouse embryonic stem cells”
   \textbf{Leonard Goldstein}: “Dynamic expression of microRNAs during mouse mammary gland development”

18.20-18.30: \textbf{DRINKS}

18.30-20.00: Function of small RNAs, Session Two
   \textbf{Petr Svoboda}: “Repression and degradation of maternal mRNAs in mouse oocytes”
   \textbf{Alexei Aravin}: “Small RNA pathways in mouse germline”
   \textbf{Febit – Sonja Vorwerk}: “Beyond miRNAs. Discovery and profiling small ncRNAs on flexible arrays”
   \textbf{Qiagen – Constanze Kindler}: “Quantification and Functional Analysis of miRNA in Mammalian Cells”

20.00: \textbf{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 µparaflo® 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!**