

Bilateral Retreat

**Institute of Bioorganic Chemistry Polish Academy of Sciences
&**

Berlin Institute for Medical Systems Biology at the Max Delbrück Centre for Molecular Medicine

Date: 12.10.2016

Venue: Jeanne-Mammen-Hall in the Gatehouse

schedule:

| | |
|-------|---|
| 10:00 | Welcome and Introduction Nikolaus Rajewsky (BIMSB Scientific Head) |
| 10:10 | Introduction by Marek Figlerowicz (Director of the IBCH) |
| 10:20 | Agnieszka Fiszer <i>Interactions of miRNAs and siRNAs with simple repeat sequences - implications for pathogenesis and therapy of repeat expansion diseases</i> |
| 10:30 | Sascha Sauer <i>Single Cell Genomics</i> |
| 10:40 | Anna Kurzynska-Kokorniak <i>Revealing a new activity of the human Dicer DUF283 domain</i> |
| 10:50 | Robert Zinzen <i>Genomic analysis of a developing embryo with cell-type resolution</i> |
| 11:00 | Krzysztof Sobczak <i>Impact of MBNL proteins on transcriptome quality</i> |

11:10 – 11:30 extended discussion

| | |
|-------|--|
| 11:30 | Katarzyna Rolle <i>ncRNAs in brain tumors</i> |
| 11:40 | Nikolaus Rajewsky <i>Regulatory RNAs</i> |
| 11:50 | Katarzyna Purzycka <i>Deciphering structure-function relationships of RNAs</i> |
| 12:00 | Irmtraud Meyer <i>RNA structure detection and their role in regulating splicing</i> |
| 12:10 | Marta Szachniuk <i>RNApolis for RNA bioinformatics</i> |
| 12:20 | Bastian Spanjaard (Junker lab) <i>Massively parallel clonal analysis using CRISPR/Cas9 induced genetic scars</i> |

12:30 – 12:50 extended discussion

12:50 – 13:30 Lunch buffet

| | |
|-------|---|
| 13:30 | Rafal Ciosk <i>Ribonuclease-mediated control of body fat</i> |
| 13:40 | Stefan Kempa <i>Metabolic Regulation of c-myc</i> |
| 13:50 | Mikolaj Olejniczak <i>Hfq protein assists small RNAs in binding to mRNA coding sequence</i> |

14:00 Matthias Selbach *Proteome dynamics*
14:10 Maciej Figiel *iPSC and mouse models of neurodegenerative polyQ disorders*
14:20 Marina Chekulaeva *Dissecting RNA Localization in Neurons*

14:30 – 14:50 extended discussion

14:50 Elzbieta Kierzek *Influenza virus - functional importance of RNA secondary structure*
15:00 Markus Landthaler *Regulatory protein-mRNA interactions*
15:10 Dorota Raczynska *Different mechanisms of regulation of gene expression by FUS/TLS in human cells*
15:20 Michal Sczcesniak (Ohler lab) *Insights into human lncRNAs: identification, conservation and in silico functional study*
15:30 Anna Pasternak *Modified oligonucleotides towards bioengineering*
15:40 Baris Tursun *Role of Histone Chaperones in safeguarding cell fates*

15:50 – 16:10 extended discussion

16:10 – 17:00 discussion of collaborative potential and grant contribution

closing remarks

17:00 bus transfer to the BIMSB construction site
18:30 dinner in town
Ganymed Brasserie
Schiffbauerdamm 5
10117 Berlin