

Schedule

3rd RMaP-Retreat 16th January 2024

PI-Meeting 17th January 2024

16th January 2024 RMaP-Retreat

08:30 – 09:00 Registration

09:00 – 09:10 Welcome (Jirka Peschek, Mark Helm)

RMaP presentations

09:10 – 09:30 **IRTG: Regina Saum:** Achievements & Prospects

09:30 – 09:50 **Susanne Gerber:** Identification and classification of RNA modifications in health and disease using nanopore sequencing

09:50 – 10:10 **Kristina Friedland:** RNA Modifikationen in aging and Alzheimer Disease

10:10 – 10:30 **Tim Beißert:** Trans-amplifying RNA - a versatile vector system to deliver therapeutic proteins and RNAs

10:30 – 11:00 Coffee Break

11:00 – 11:20 **Fabian Barthels:** Nanomole-Scale Chemistry for Drug Discovery of RNA-Methyltransferases

11:20 – 11:40 **Tamer Butto:** Nano-Ribolyzer: a tool unraveling ribosomal biogenesis intermediates through long-read Nanopore-sequencing.

11:40 – 12:00 **B01: Jean-Yves Roignant, Christoph Dieterich, Julian König:** Detection and impact of m6A RNA modifications

12:00 – 12:20 **B03: Irmgard Sinning:** The many roles of the Mtl1 helicase

12:20 – 12:40 **B05: Marie-Luise Winz:** Update on New1 - Project B05

12:40 – 14:15 Lunch Break / Poster Session

14:15 – 15:00 **RMaP General Assembly**

15:00 – 15:20 **B06: Martin Hengesbach:** Dissecting catalytic steps in RNA modification enzymes

15:20 – 15:40 **A02: Marvin Möhler:** HELIOS NAD-Seq - an improved method for sequencing NAD-modified RNAs

15:40 – 16:00 **A03: Ivanéia Nunes, Sarah Pawusch:** Impact of 2'-O-Methylation on RNA processing and stimulation of endosomal Toll-Like Receptors 8

16:00 – 16:30 Coffee Break

16:30 – 16:50 **A04: Chih-Yuan Kao, Valerie Griesche:** Interdependencies of m6A and A to I mRNA modifications in macrophages

16:50 – 17:10 **A05: Mark Helm:** Viral RNA Modifications

17:10 – 17:30 **A06: Guo Wei, Ege Çiğirgan:** The interplay between tRNA modification and processing

17:30 – 17:50 **C01: André Müller:** Accelerated Read Alignment for RNA Modification Detection

17:50 – 18:10 **C02: Andreas Hildebrandt, Christoph Dieterich:** SCI-MODOM - now beta and better

Closure

18:30 PI Dinner

17th January 2024 PI-Meeting

09:00 – ca. 13:00 Preparation of follow-up proposal