

Schedule

4th RMaP-Retreat 10th and 11th February 2025

10th February 2025 RMaP-Retreat

09:30 – 10:00 Registration

10:00 – 10:15 Welcome (Mark Helm)

10:15 – 11:00 **Gast: A. Rentmeister:** Getting a handle on methylation: chemical and metabolic approaches to analyze and control mRNA

11:00 – 11:20 **E. Boileau:** Sci-ModoM: the lighthouse database for quantitative epitranscriptomics

11:20 – 11:40 **A07: K. Friedland, S. Gerber:** m1A methylation of mitochondrial mRNA – effect on processing and mechanism, design and function

11:40 – 12:00 **A02: T.W. Seong:** Changes in the NAD capping landscape in the different metabolic states of E. Coli and HEK293T

12:00 – 14:05 Lunch Break / Poster Session

14:05 – 14:50 **Gast: M. O'Connell:** ADAR1, and its role in innate immunity.

14:50 – 15:10 **A03: A. Dalpke:** Impact of RNA processing and RNA modifications on TLR8 stimulation

15:10 – 15:30 **A04: V. Griesche, G.Stöcklin:** RNA modifications on adenosine co-regulate macrophage function

15:30 – 15:50 **A05: A. Ruggieri:** Unraveling dengue virus genome RNA modifications

15:50 – 16:10 **A06: F. Tuorto, J. Peschek:** Interplay between tRNA processing and tRNA modifications

16:10 – 16:50 Coffee Break

16:50 – 17:10 **A01: M. Frye, F. Barthels:** Mitochondrial m1G tRNA modifications as regulators of metabolic plasticity

17:10 – 17:30 **C01: A. Müller, A. Busch:** Novel bioinformatics tools for RNA sequencing

17:30 – 17:50 **C02: E. Boileau:** The Sci-ModoM roadmap, the bedRMod specs, and the RMaP data management strategy

18:30 **PI Dinner**

11th February 2024 PI-Meeting

09:00 – 09:20 **C03: P. Beli M. Helm:** RNA-protein crosslinks as physiological mediator of translation stress or Proteomics approaches for investigation of RNA-protein crosslinks and its cellular consequences

09:20 – 09:40 **C04: I. Naarmann-de Vries, S. Gerber:** Precision Nanopore sequencing of RNA modifications and processing events

09:40 – 10:00 **B01: J. König, C. Dieterich:** m6A and splicing” and plans for project B08 ”m6A and P-bodies

10:00 – 10:20 **B03: K. Wild:** From rRNA modification to how cells avoid errors in the production of mRNA

10:20– 10:45 Coffee Break

10:45 – 11:30 **RMaP General Assembly**

11:30 – 11:50 **Data Management**

11:50 – 12:10 **B07: T. Butto, M.-L. Winz:** Mechanistic studies on the interplay of rRNA modification and processing with ribosome biogenesis, structure and function

12:10 – 12:30 **B06 / A08: M. Hengesbach / M. Hengesbach, M. Frye:** tba

Lunch Paket

12:45 – 13:30 **PI-Meeting**

Closure