

## Schedule

### 2<sup>nd</sup> RMAP Retreat – Thursday, 13th July 2023

08:30 – 09:00 Registration

09:00 – 09:10 Welcome (Julian König, Mark Helm)

#### Presentation RMAP applicants

09:10 – 09:35 **Martin Hengesbach:** Following assembly and catalysis of individual H/ACA RNPs

09:35 – 10:00 **Tamer Butto:** Unraveling the dynamics of ribosomal processing and modification states using nanopore sequencing

10:00 – 10:25 **Fabian Barthels:** Novel Tools for Medicinal Chemistry of RNA-modifying Enzymes

10:25 – 11:00 Coffee Break

#### RMAP presentations

11:00 – 11:20 **Falk Butter:** Mass spectrometry in RNA modification research

11:20 – 11:40 **Anne Busch, Andreas Hildebrandt, Etienne Boileau:** Exchange, Integration and Real-Time Analytics of RNA Modification Data

11:40 – 12:00 **Marlies Weber:** Oxidatively damaged RNA by hypochlorous acid

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

14:00 – 14:45 **RMAP General Assembly**

14:50 – 15:10 **Max Müller:** New(1)s from project B05

15:10 – 15:30 **Rene Ketting:** PUCH: an RNA-structure-specific nuclease that is required for piRNA formation

15:30 – 15:50 **Christoph Dieterich, Sarah Hallstein:** Methods to detect m6A RNA modification

15:50 – 16:10 **Wei Guo:** Interplay between tRNA splicing and tRNA modifications

16:10 – 16:40 Coffee Break

16:40 – 17:00 **Kevin Kopietz:** Strategies for the isolation and purification of long viral RNA

17:00 – 17:20 **Nina Papavasiliou/Chih-Yuan Kao:** Modifications on A, and their effects on processing

17:20 – 17:40 **Sarah Pawusch/Ivaneia Nunes:** Impact of 2'-O-methylations on RNA processing and stimulation of endosomal Toll-like receptors 7/8

17:40 – 18:00 **Andres Jäschke:** RNAylation - a new biological role for the NAD cap of RNA

18:00 – 18:20 **Tanja Schirmeister:** Development of tools and inhibitors for 5mC-MTases

18:20            **Conclusion Remarks**

Closure

18:45            PI Dinner