WEDNESDAY, SEPTEMBER 30
Welcoming Remarks (Organizers) and Keynote Address (8am Denver/Mountain Time Start)
*Stacy M. Horner, Duke University Medical Center, USA
Dynamic Regulation of the Epitranscriptome (8:45am Denver/Mountain Time Start)
*Blera Xhemalce, University of Texas, Austin, USA
Targeting RNA Methylation in Cancer
Aldema Sas-Chen, Weizmann Institute of Science, Israel
Short Talk: Dynamic RNA Acetylation as a Mechanism for RNA Thermostabilization
Jin Billy Li, Stanford University, USA
ADAR1 RNA Editing and Innate Immunity
Marisa Almeida Pereira, iBiMED-Institute of Biomedicine, Portugal
Short Talk: Lack of m5U Modification in tRNAs Induces the Formation of RNA-Derived Fragments
"Polly Chen, National University of Singapore, Singapore
Short Talk: Dynamic Regulation of A-to-I RNA Editing by RNA Helicases

Career Roundtable (12pm Denver/Mountain Time Start)
Kate Meyer, Duke University, USA
Lynn Abell, 275.00
Chuan He, University of Chicago, USA
"Self" vs "Non-Self" RNA Pattern Recognition (1pm Denver/Mountain Time Start)
Stacy M. Horner, Duke University Medical Center, USA
RNA Methylation in Viral Infection
*Carl Walkley, St Vincent's Institute, Australia
The in vivo Functions of A-to-I Editing
Michael A. Tartell, Harvard University, USA
Short Talk: Cap-Proximal N6-Methylation Protects Viral mRNA against Interferon beta Pretreatment
*Noam Stern-Ginossar, Weizmann Institute of Science, Israel
m6A and Innate Immunity
Grace Chen, Yale University School of Medicine, USA
Circular RNA Immunity
Reshma Kurup, Indiana University, USA
Short Talk: ADAR3 Alters the MAVS/NF-kappaB Signaling Pathway in Glioblastoma

THURSDAY, OCTOBER 1
Functions and Mechanism (8am Denver/Mountain Time Start)
*Yunsun Nam, University of Texas Southwestern Medical Center, USA
Structural Basis for Substrate Specificity of RNA Methyltransferases
Kazuko Nishikura, Wistar Institute, USA
ADAR RNA Editing and Genome Stability
Bei Liu, Duke University, USA
Short Talk: Syn-Anti Isomerization of the m6A Methylamino Group as a Molecular Timer that Slows Nucleic Acid Annealing and Conformational Transitions
Kate Meyer, Duke University, USA
Uncovering m6A and Its Role in RNA Regulation
*Peter Beal, University of California, Davis, USA
ADAR Structure and Substrate Recognition
Kayla Shumate, 150.00
Short Talk: CAPS1 RNA Editing Selectivity Mediates Dopamine Neurotransmission in the Dorsal Striatum

Poster Session 2 (11am Denver/Mountain Time Start)
The Role of Epitranscriptome in Development and Stem Cell (1pm Denver/Mountain Time Start)
Michaela Frye, Deutsches Krebsforschungszentrum, Germany

m5C RNA Methylation

Guifeng Wei, University of Oxford, UK

Short Talk: Acute depletion of METTL3 Identifies a Role for N6-Methyladenosine in Alternative Intron/Exon Inclusion in the Nascent Transcriptome

*Kamil R. Kranc, Barts Cancer Institute, Queen Mary University of London, UK

Targeting m6A mRNA Readers in Blood Malignancies

Brian C. Capell, 275.00

Short Talk: Dynamic Epitranscriptomic Regulation of Self-Renewing Epithelia via METTL3-Mediated m6A

*Alexey Ruzov, University of Nottingham, UK

The Role of m6A in R-Loop Regulation

Diana Guallar, Universidade de Santiago de Compostela, Spain

Short Talk: ADAR1-Dependent RNA Editing Promotes MET and iPSC Reprogramming by Alleviating ER Stress

Michael McMillan, University of Michigan, USA

Short Talk: Intersection between RNA Methylation and TDP43-Mediated Toxicity in ALS

Closing Remarks

Michaela Frye, Deutsches Krebsforschungszentrum, Germany