THURSDAY, OCTOBER 1
Arrival and Registration

FRIDAY, OCTOBER 2
Welcome and Keynote Session
Chuan He, University of Chicago, USA
RNA Methylation

Dynamic Regulation of the Epitranscriptome
V. Narry Kim, Institute for Basic Science, South Korea
RNA Tail Uridylation
Blerta Xhemalce, University of Texas, Austin, USA
Targeting RNA Methylation in Cancer
Jin Billy Li, Stanford University, USA
ADAR1 RNA Editing and Innate Immunity
Short Talks Chosen from Abstracts

Workshop 1
Short Talks Chosen from Abstracts

"Self" vs "Non-Self" RNA Pattern Recognition
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
Noam Stern-Ginossar, Weizmann Institute of Science, Israel
m6A and Innate Immunity
Grace Chen, Yale University School of Medicine, USA
Circular RNA Immunity
Short Talks Chosen from Abstracts

Poster Session 1

SATURDAY, OCTOBER 3
Functions and Mechanism
Yunsun Nam, University of Texas Southwestern Medical Center, USA
RNA Methylation Structure
Kazuko Nishikura, Wistar Institute, USA
ADAR RNA Editing and Genome Stability
Kate Meyer, Duke University, USA
Detecting m6A and its Role in Gene Expression
Short Talks Chosen from Abstracts

Workshop 2
Short Talks Chosen from Abstracts

Harnessing RNA Editing and Modification Enzymes for Transcriptome Engineering
Thorsten Stafforst, Universität Tübingen, Germany
Harnessing ADAR Activity for Site-directed RNA Editing
Yi-Tao Yu, University of Rochester Medical Center, USA
Pseudouridine-Mediated Stop Codon Read Through

Joshua Rosenthal, Marine Biological Laboratory, USA
Site-Directed Adenosine Deamination: New Enzymes and New Targets
Speaker to be Announced
Industry Speaker - Latest Breakthrough
Short Talks Chosen from Abstracts

Poster Session 2

SUNDAY, OCTOBER 4
Understanding and Exploiting Epitranscriptome in Cancer
Jianjun Chen, Beckman Research Institute of City of Hope, USA
m6A in Cancer
F. Nina Papavasiliou, Deutsches Krebsforschungszentrum, Germany
RNA Deamination in Immunity and Cancer
Michael G. Kharas, Memorial Sloan Kettering Cancer Center, USA
Function of m6A in Normal and Leukemic Hematopoietic Cells
Short Talks Chosen from Abstracts

The Role of Epitranscriptome in Development and Stem Cell
Michaela Frye, Deutsches Krebsforschungszentrum, Germany
m5C RNA Methylation
Donal O’Carroll, University of Edinburgh, UK
Function of m6A in Germline
Alexey Ruzov, University of Nottingham, UK
The Role of m6A in R-loop Regulation
Short Talks Chosen from Abstracts

Technology Development
Peter Beal, University of California, Davis, USA
ADAR Structure and Substrate Recognition
Eva Maria Novoa Pardo, Centre for Genomic Regulation, Spain
Nanopore Direct RNA Sequencing to Call Modifications
Omar Abudayyeh, Massachusetts Institute of Technology, USA
Harnessing Novel CRISPR Systems for RNA editing
Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

MONDAY, OCTOBER 5
Departure

* Session Chair † Invited but not yet accepted     Program current as of March 13, 2020. Program subject to change. Meal formats are based on meeting venue.
For the most up-to-date details, visit https://www.keystonesymposia.org.