

DAY 1 — THURSDAY, MARCH 6, 2025	
11:45 a.m. – 1:15 p.m.	SHUTTLES RUNNING <ul style="list-style-type: none"> Hotels → BSRB
12:00 p.m. – 1:00 p.m.	CHECK IN AND REGISTRATION OPEN <ul style="list-style-type: none"> Sponsor booths open
OPENING SESSION: Advancing Molecular Therapies	
1:00 p.m. – 1:15 p.m.	WELCOME + INTRODUCTION Speaker: Karl Jepsen, Ph.D.
1:15 p.m. – 2:00 p.m.	KEYNOTE 1 “Antisense therapy for H3.3K27M-Related Diffuse Midline Glioma” Adrian R. Krainer, Ph.D. (Cold Springs Harbor Laboratory) Introduction: Karl Jepsen, Ph.D.
2:00 p.m. – 3:00 p.m.	INVITED TALKS — ROUND 1 <ul style="list-style-type: none"> INVITED TALK 1 2:00 p.m. – 2:15 p.m. <ul style="list-style-type: none"> “Going nuclear: Improved antisense oligonucleotide activity through conjugation with a nuclear importer,” Disha Kashyap INVITED TALK 2 2:15 p.m. – 2:30 p.m. <ul style="list-style-type: none"> “Viperin regulates mitochondrial transcription via a chain termination mechanism,” Srijoni Majhi INVITED TALK 3 2:30 p.m. – 2:45 p.m. <ul style="list-style-type: none"> “Pharmacological Inhibition of the RNA-Binding Protein HuR with KH-3: A Promising Molecular Approach for Treating Allergic Asthma,” Fatemeh Fattahi INVITED TALK 4 2:45 p.m. – 3:00 p.m. <ul style="list-style-type: none"> “Post-transcriptional Splicing of timeless at Nuclear Speckles Controls Circadian Rhythms,” Ye Yuan
3:00 p.m. – 3:30 p.m.	BREAK + NETWORKING <ul style="list-style-type: none"> Refreshments available Sponsor booths open
3:30 p.m. – 4:15 p.m.	KEYNOTE 2 “Engineering newer generations of AAVs for brain delivery and therapy” Beverly L. Davidson, Ph.D. (Children’s Hospital of Pennsylvania) Introduction: Laura Scott, Ph.D. (Executive Committee, U-M Center for RNA Biomedicine)
4:15 p.m. – 5:15 p.m.	INVITED TALKS — ROUND 2 <ul style="list-style-type: none"> INVITED TALK 5 4:15 P.M. – 4:30 p.m. <ul style="list-style-type: none"> “Ribosome association inhibits stress-induced gene mRNA localization to stress granules,” Noah Helton INVITED TALK 6 4:30 p.m. – 4:45 p.m. <ul style="list-style-type: none"> Unchained Labs presentation INVITED TALK 7 4:45 p.m. – 5:00 p.m. <ul style="list-style-type: none"> “Chromato-kinetic fingerprinting enables multiomic digital counting of single disease biomarker molecules,” Pavel Banerjee INVITED TALK 8 5:00 p.m. – 5:15 p.m. <ul style="list-style-type: none"> Helix Biotech presentation
5:15 p.m. – 5:30 p.m.	SHUTTLES RUNNING <ul style="list-style-type: none"> BSRB → Union → Hotels
5:30 p.m. – 7:30 p.m.	GALA DINNER <ul style="list-style-type: none"> ticket required
7:30 p.m.	SHUTTLES RUNNING <ul style="list-style-type: none"> Union → Hotels

DAY 2 — FRIDAY, MARCH 7, 2025	
7:45 a.m. – 9:15 a.m.	SHUTTLES RUNNING • Hotels → BSRB
8:00 a.m. – 9:00 a.m.	CHECK IN AND REGISTRATION OPEN • Sponsor booths open
MORNING SESSION: Personalized RNA Therapies in Cancer Treatment	
9:00 a.m. – 9:15 a.m.	WELCOME + INTRODUCTION Speaker: Nils Walter, Ph.D.
9:15 a.m. – 10:00 a.m.	KEYNOTE 3 “Targeting cancer with personalized precision RNA therapeutics” Mats Ljungman, Ph.D. (U-M Center for RNA Biomedicine) Introduction: Nils Walter, Ph.D.
10:00 a.m. – 10:45 a.m.	INVITED TALKS — ROUND 3 • INVITED TALK 9 10:00 a.m. – 10:15 a.m. ◦ “Uncovering novel miRNA-181a therapeutic approaches in high grade serous cancer,” Grace McIntyre • INVITED TALK 10 10:15 a.m. – 10:30 a.m. ◦ “Purine mRNA modifications impact translation speed,” Rachel Giles • INVITED TALK 11 10:30 a.m. – 10:45 a.m. ◦ “Engineering Type I CRISPR-Cas into a sliding-window adenine base editor with broad targeting scope,” Mason Myers
10:45 a.m. – 11:15 a.m.	BREAK + NETWORKING • Refreshments available • Sponsor booths open
11:15 a.m. – 12:00 p.m.	KEYNOTE 4 “An academic network for design, development, and delivery of personalized mRNA cancer vaccines” John Cooke, M.D., Ph.D. (Society for RNA Therapeutics, Houston Methodist Hospital) Introduction: Michelle Hastings, Ph.D. (Director of RNA Therapeutics, U-M Center for RNA Biomedicine)
12:00 p.m. – 1:00 p.m.	LUNCH • Sponsor booths open
AFTERNOON SESSION: RNA Structures and Therapies	
1:00 p.m. – 1:45 p.m.	KEYNOTE 5 “Panning for gold: Discovering and drugging riboregulatory structures within viral genomes and eukaryotic mRNAs” Anna Marie Pyle, Ph.D. (Yale School of Medicine) Introduction: JK Nandakumar, Ph.D.
1:45 p.m. – 2:30 p.m.	INVITED TALKS • INVITED TALK 12 1:45 p.m. – 2:00 p.m. ◦ “Comprehensive Study of the Structural Impact of RNA Modifications on Ribosome and its Maturation Complexes,” Yu Zhao • INVITED TALK 13 2:00 p.m. – 2:15 p.m. ◦ “Development of Native Ion Mobility-Mass Spectrometry (IM-MS) and Collision-Induced Unfolding (CIU) for the Structural Characterization of Non-coding Ribonucleic Acids (ncRNAs),” Anna Anders • INVITED TALK 14 2:15 p.m. – 2:30 p.m. ◦ Knauer presentation
2:30 p.m. – 3:00 p.m.	BREAK + NETWORKING • Refreshments available • Sponsor booths open
3:00 p.m. – 4:00 p.m.	ADVOCACY PANEL Moderators: Elizabeth Ames, Ph.D. , Peter Todd, Ph.D.
4:00 p.m. – 5:00 p.m.	INVITED TALKS • INVITED TALK 15 4:00 p.m. – 4:15 p.m. ◦ “Lipid Nanoparticle-Delivered, circRNA-CFTR Restores Chloride Secretion in Cystic Fibrosis,” Ri Tang • INVITED TALK 16 4:15 p.m. – 4:30 p.m. ◦ “Uncovering how lncRNA MALAT1 controls gene expression in cancer metastasis,” Kayla Lenshoek • INVITED TALK 17 4:30 p.m. – 4:45 p.m. ◦ “Trans-splicing Ribozyme-based RNA Editing for Treatment of Retinitis Pigmentosa,” Bruce Sullenger • INVITED TALK 18 4:45 p.m. – 5:00 p.m. ◦ “Vascular Recovery from Ischemia: Role of mRNA Base Modification,” Shuang Li
5:00 p.m. – 5:15 p.m.	SHUTTLES RUNNING • BSRB → Union → Hotels
5:15 p.m. – 8:30 p.m.	RECEPTION + POSTER SESSION
8:30 p.m.	SHUTTLES RUNNING • Union → Hotels

DAY 3 — SATURDAY, MARCH 8, 2025

7:45 a.m. – 9:15 a.m. **SHUTTLES RUNNING**
• *Hotels → Palmer Commons*

8:00 a.m. – 9:00 a.m. **CHECK IN AND REGISTRATION OPEN**
• *Breakfast available*
• *Sponsor booths open*

MORNING SESSION: RNA Chemistry and Function

9:00 a.m. – 9:15 a.m. **WELCOME REMARKS**
Speaker: [Nils Walter, Ph.D.](#)

9:15 a.m. – 10:00 a.m. **KEYNOTE 6**

"Biomimetic chemistry of RNA therapeutics"
Muthiah Manoharan, Ph.D.

Introduction: [Nils Walter, Ph.D.](#)

10:00 a.m. – 10:45 a.m. **INVITED TALKS**

• **INVITED TALK 19 | 10:00 a.m. – 10:15 a.m.**
◦ "Functional miRNA targeting without seed pairing,"
Matthew Hall
• **INVITED TALK 20 | 10:15 a.m. – 10:30 a.m.**
◦ "Discovery of novel FMN Riboswitch Binding Partners
using an Interdisciplinary Approach," Ingrid Kilde
• **INVITED TALK 21 | 10:30 a.m. – 10:45 a.m.**
◦ "PUS7 cytoplasmic localization directs a
pseudouridine-mediated cellular stress response,"
Minli Ruan

10:45 a.m. – 11:10 a.m. **BREAK + NETWORKING**
• *Refreshments available*
• *Sponsor booths open*

11:10 a.m. – 11:50 a.m. **SPEAKER PANEL DISCUSSION**

Moderator(s): TBD

11:50 a.m. - 12:00 p.m. **CLOSING AND THANKS**

Speakers: TBD

12:00 PM **SHUTTLES RUNNING**
• *Palmer Commons → Hotels*