

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*