

**Cellular, Molecular & Biochemical Sciences Training Program and
Center for RNA Biology Annual Symposium**
Drake Performance and Event Center, Ohio State University
May 11, 2022

- 8:15-8:55 AM Registration and Breakfast**
- 8:55-9:00 AM Opening Remarks**
Karin Musier-Forsyth, Co-Director CMBP Training Grant
- 9:00-9:45 AM Dr. Julius Lucks, Northwestern University**
"Towards an era of RNA design for biology and global health"
Introduced by Rodrigo Muzquiz, CMBP Trainee
- 9:45-10:45 AM Poster Session I (all trainees are invited to be at their posters)**
- Trainee Session: Guramrit Singh, Department of Molecular Genetics, Session Chair**
- 10:45-11:05 AM Ben Jepson, CMBP Trainee, MCDB**
"Analysis of tRNA methyltransferase homologs from zebrafish reveals similarities and differences to human Trm10 enzymes"
- 11:05-11:25 AM Andrea Keller, CMBP Trainee, MCDB**
"Intestinal gasdermin C expression depends on nutrient status and immune environment"
- 11:25-11:45 PM Nathan Burge, CMBP Trainee, OSBP**
"Regulation of linker DNA dynamics and transcription factor binding within nucleosomes by histone H1"
- 11:45-12:30 PM Lunch**
- 12:30-1:10 PM Poster Session II (all trainees are invited to be at their posters)**
- 1:15-2:00 PM Dr. Gundula Bosch, Director, R3 Center for Innovation in Science Education, Johns Hopkins University**
"Critical thinkers for global crises"
Introduced by Venkat Gopalan, Department of Chemistry and Biochemistry
- 2:00-2:25 PM Dr. Michael Kearse, Department of Biological Chemistry and Pharmacology, OSU**
"Translating outside the box: Noncanonical mRNA translational control mechanisms important in human biology and disease"
Introduced by Jane Jackman, Department of Chemistry and Biochemistry
- 2:25-2:45 Coffee break**
- 2:45-3:10 Dr. Natacha Ruiz, Department of Microbiology, OSU**
"How Gram-negative bacteria transport lipids to build their outer membrane"
Introduced by Juan Alfonzo, Department of Microbiology
- 3:10-3:55 Dr. Sarah Woodson, Johns Hopkins University**
"RNA-protein dynamics 5' to 3'"
Introduced by Ben Warner, RNA Center Fellow
- 3:55-4:00 PM Closing Remarks**
Jane Jackman, Co-Director, CMBP Training Grant
- 4:00-5:30 PM Reception**