

**Cellular, Molecular & Biochemical Sciences Training Program and
Center for RNA Biology Annual Symposium**
Ohio Union US Bank Conference Theater and Great Hall Meeting Room
May 13, 2025

9:15-9:50 AM Registration and Breakfast

9:55-10:00 AM Opening Remarks
Karin Musier-Forsyth, Co-Director CMBP Training Grant, Director RNA Center

10:00-10:45 AM Dr. Christine Mayr, Memorial Sloan Kettering
Introduced by Tyler Billings, CMBP Trainee, OSBP
How the location of protein synthesis controls the activity of proteins in the nucleus

10:45-11:45 AM Poster Session I (all trainees are invited to be at their posters)

Trainee Session: Michael Kearse, Dept of Biological Chemistry and Pharmacology, Session Chair

11:50-12:10 AM Xiaoyuan Yang, CRB Fellow, OSBP
Argonaute proteins in prokaryotic immune defense

12:10-12:30 AM Andrew Savidge, CMBP Trainee and CRB Fellow, OSBP
A neurodevelopmental disorder-relevant Argonaute1 mutant cannot efficiently form the RISC

12:30-12:50 PM Morgan Bauer, CMBP Trainee, MCDB
Impaired prolyl-tRNA synthetase activity is a primary driver of EPRS1-linked neurological disease

12:50-1:30 PM Lunch

1:30-2:10 PM Poster Session II (all trainees are invited to be at their posters)

2:15-2:40 PM Dr. Maria Mihaylova, Dept of Biological Chemistry and Pharmacology, OSU
Nutrient-dependent regulation of intestinal stem cell homeostasis

2:40-3:25 PM Dr. Adrian R. Ferré-D'Amaré, NIH
Introduced by Margaret Bohmer, CRB Fellow, Pharmaceuticals and Pharmacology
DNA doing what you expect RNA to do: From aptamers to stress granules

3:25-3:45 Coffee break

3:45-4:10 Dr. Venkat Gopalan, Dept of Chemistry and Biochemistry, OSU
Enigmatic distribution, evolution, and function of RNase P variants

4:10-4:55 Dr. Michael T Laub, MIT
Introduced by Grace Johnnecheck, CMBP Trainee, OSBP
Identifying and characterizing anti-phage defense system

4:55-5:00 PM Closing Remarks
Jane Jackman, Co-Director CMBP Training Grant

5:00-6:30 PM Reception