

The Cellular and Molecular Genetics Training Program Presents

# RNA REVOLUTION

*Beyond the Central Dogma*



**Keynote Speaker: Frank Slack, Harvard**

**The potential for personalized microRNA therapeutics**

**Tracy Johnson, UCLA**

Coordinated regulation of RNA processing in response to the metabolic needs of the cell

**Nick Conrad, UT Southwestern**

Host destruction versus viral protection for nuclear herpesviral RNAs

**Hailing Jin, UC Riverside**

Cross-Kingdom RNAi and small RNA trafficking between plants and fungi

**Colleen McHugh, UCSD**

Long non-coding RNA interactions and functions in human cancers

**Homa Rahnemoun, UCSD**

RNAs interact with BRD4 to promote enhanced chromatin engagement and transcription activation

**Brenda Bass, U of Utah**

ADARs, Dicer, and the dsRNAome

**Susan Ackerman, UCSD**

tRNA, modifier genes, and neurodegeneration

**Ross Buchan, U of Arizona**

Novel P-body assembly and mechanisms in yeast: a role for RPS298B 3'UTR scaffolding

**Heidi Cook-Andersen, UCSD**

Post-transcriptional mechanisms driving the transition from oocyte to embryo in mammals

**Laura Chipman, UCSD**

Divergent roles of microRNA Argonautes in *C. elegans* aging

**Ian MacRae, TSRI**

Mechanisms of gene regulation by small RNAs

January 25, 2019, 8:30am-5:30pm

Atkinson Hall, UC San Diego

Register for FREE at [cmg.ucsd.edu/events](http://cmg.ucsd.edu/events)



National Institutes  
of Health