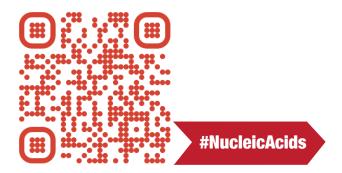


## RNA-MEDIATED GENE REGULATION



Ribonucleic acid (RNA) plays an important role in gene regulation. This course will explore recent primary literature studying the biochemistry of these processes.

## **TOPICS**

- 1. RNA interference in plants and animals
- 2. CRISPR bacterial antiviral defense
- 3. Transcriptional and translational regulation riboswitches, tmRNA, IRES elements, 6S RNA, etc.
- 4. Post-transcriptional processing editing, capping, and splicing. Naturally occurring ribozymes.

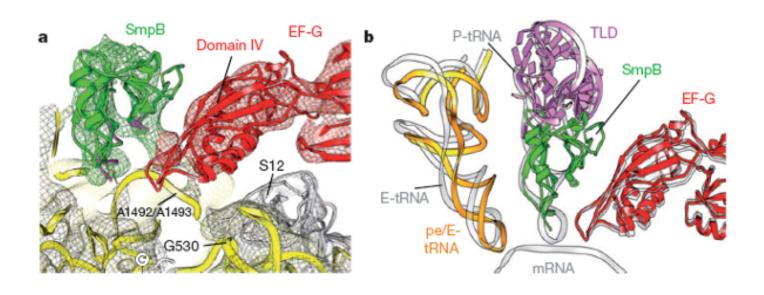
## **INSTRUCTOR**

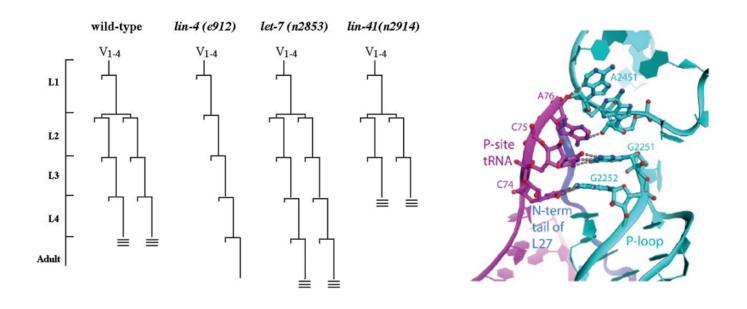
Peter Unrau



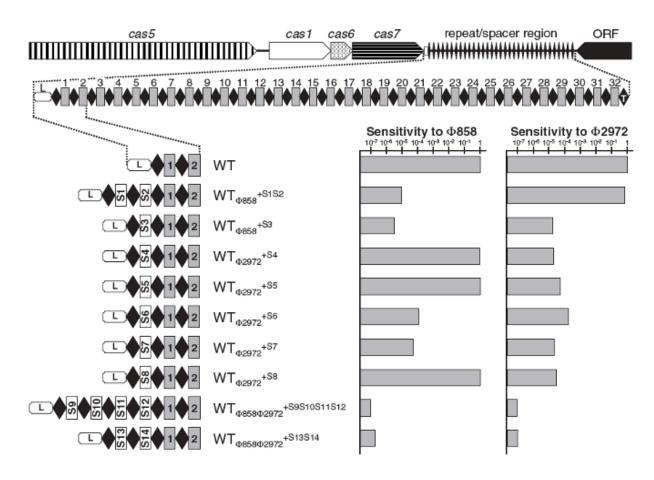
That guy











## FMN riboswitch (general mechanism)

