

## RNA-MEDIATED GENE REGULATION

**#NucleicAcids**

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

## TOPICS

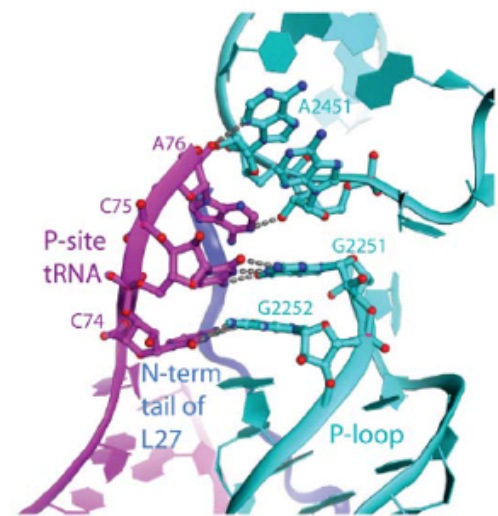
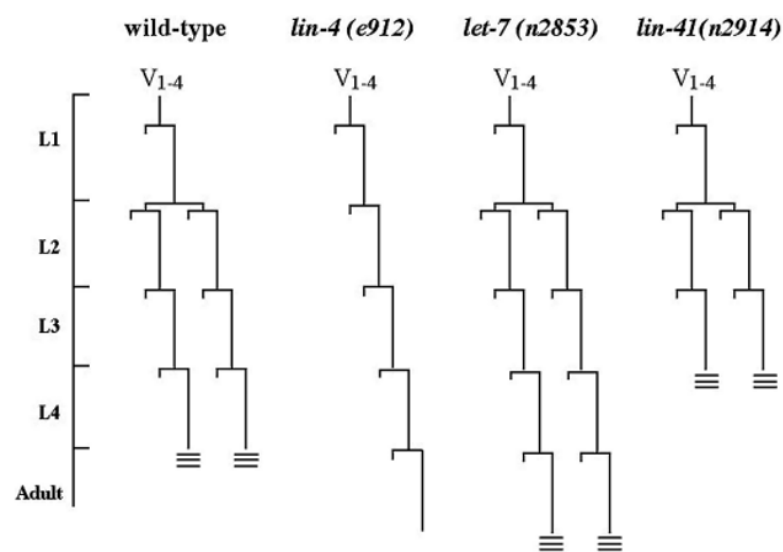
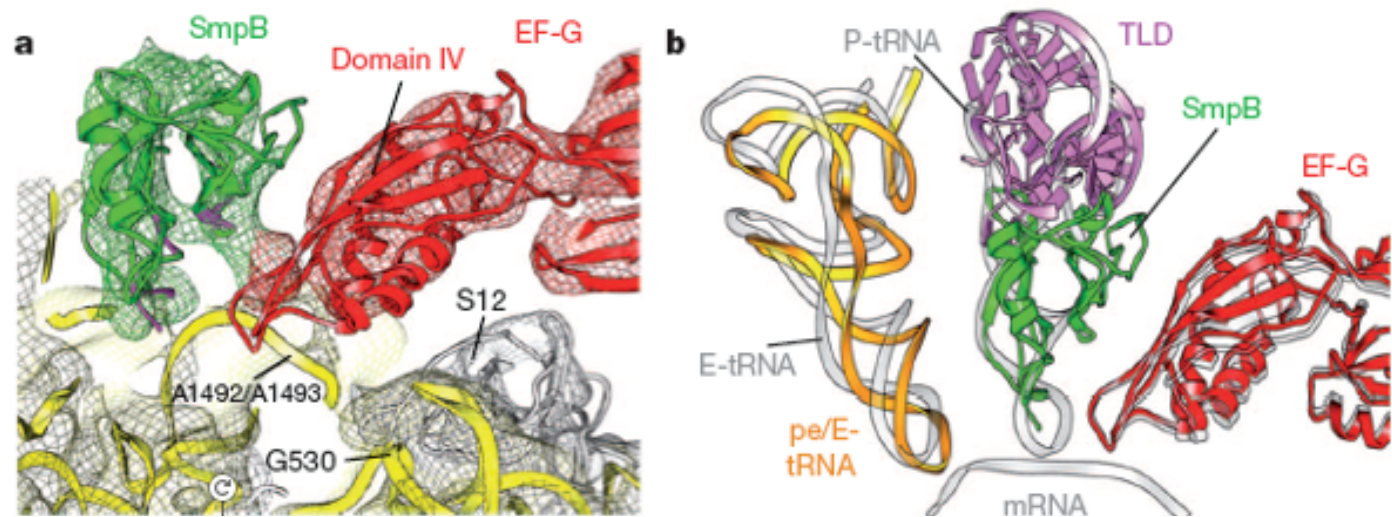
1. RNA interference in plants and animals
2. CRISPR bacterial antiviral defense
3. Transcriptional and translational regulation - riboswitches, tmRNA, IRES elements, 6S RNA, etc.
4. Post-transcriptional processing - editing, capping, and splicing. Naturally occurring ribozymes.

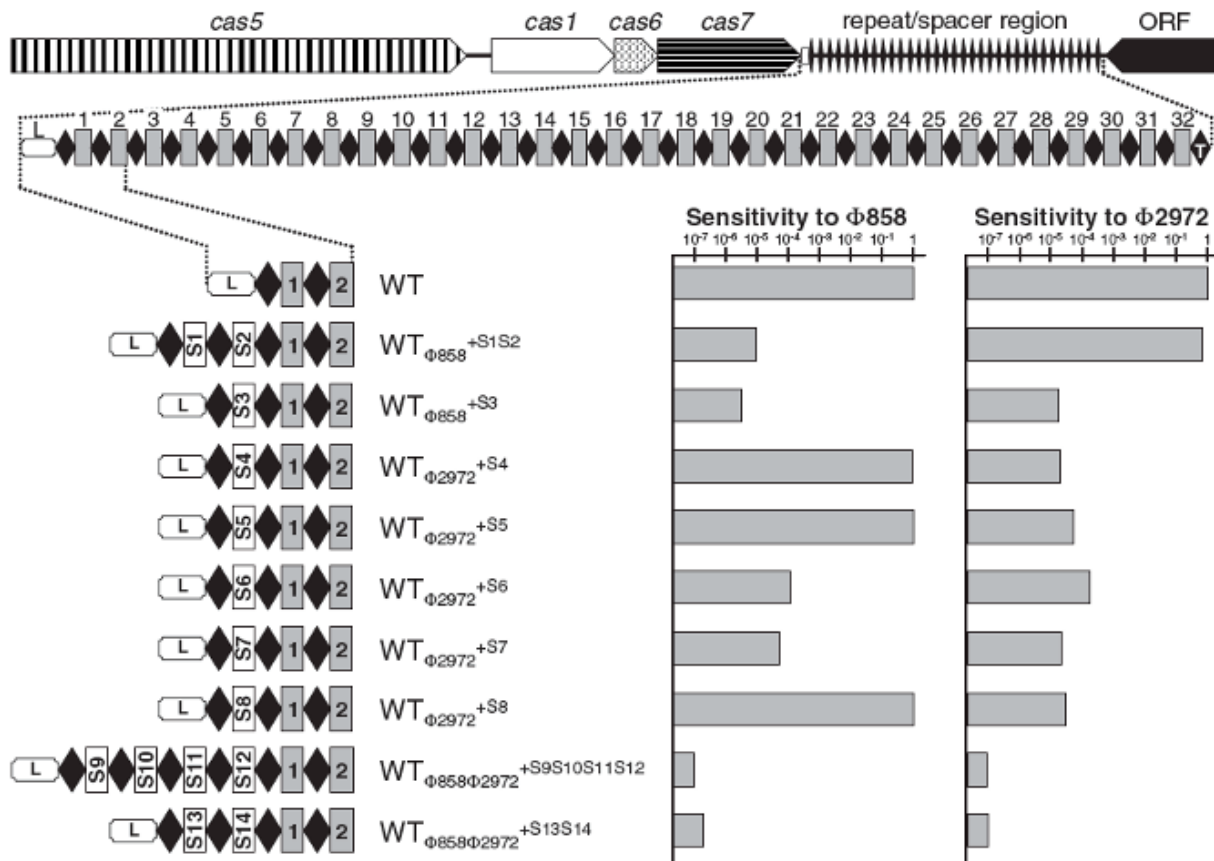
## INSTRUCTOR

Peter Unrau



*That guy*





## FMN riboswitch (general mechanism)

