RNA-mediated gene regulation

Qr code

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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

A person wearing glasses

Description automatically generated with medium confidence

Diagram

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A picture containing text, map

Description automatically generated

Chart, box and whisker chart

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Diagram, schematic

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