

Course Outline

BIOL361 Molecular Genetics and Genomics, Spring 2020

Instructor: Dr. Jürgen Ehling

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Thursday, Mar 19: Post-transcriptional regulation of gene expression via small interfering RNAs.

Monday, Mar 23: siRNA and miRNA: Mechanisms of small RNA regulatory action.

Optional ASSIGNMENT due

Thursday, Mar 26: Gene regulatory mechanisms involving long non-coding RNA: HOTAIR.

Monday, March 30: RNA guided immunity in bacteria: CRISPR and Cas.

Thursday, Apr 2: Genome editing using the CRISPR/Cas system.

Final exam during examination period (date to be determined)