

MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Winter Quarter 2023 – CRN 33382

**Friday Seminar at 12:10-1 p.m.
GBSF Auditorium, Room 1005**

“Coordination of Cellular Energy and Body Growth Through Ribosomes”

Research

Elif Sarinay Cenik is an Assistant Professor at the University of Texas, Austin. She uses genetic, genomic and computational approaches to study how the nucleolus and ribosome maturation are linked to epigenetics and multicellular growth coordination. She has a Ph.D. in RNA biochemistry from Dr. Phillip Zamore's lab, at Howard Hughes Medical Institute and University of Massachusetts Medical School. She has completed postdoctoral research in Dr. Maria Barna and then Dr. Andrew Fire's lab at Stanford Medical School. She has been awarded by Stanford School of Medicine Dean's Postdoctoral Fellowship, The Walter V. and Idun Berry Postdoctoral Fellowship Program, UT Stars Program and CNS Catalyst Awards. She is currently funded by NIH-NIGMS Maximizing Investigators' Research Award (R35) and Welch Foundation. She feels passionate about mentoring students, postdocs and producing high-quality, reproducible science.

Publications

Zhao Q, Rangan R, Weng S, Özdemir C, **Sarinay Cenik E**. “Inhibition of ribosome biogenesis in the epidermis is sufficient to trigger organism-wide growth quiescence independently of nutritional status in *C. elegans*”. *PLoS Biol.* 2023 Aug 31;21(8):e3002276. doi: 10.1371/journal.pbio.3002276. PMID: 37651423; PMCID: PMC10499265.

Freeman TF, Zhao Q, Surya A, Rothe R, **Cenik ES**. “Ribosome biogenesis disruption mediated chromatin structure changes revealed by SRAtac, a customizable end to end analysis pipeline for ATAC-seq”. *BMC Genomics.* 2023 Sep 1;24(1):512. doi: 10.1186/s12864-023-09576-y. PMID: 37658321; PMCID: PMC10472662.

January
12



Elif Sarinay Cenik
Assistant Professor
Department of Molecular
Biosciences
University of Texas

January 12, 2024
12:10 – 1 p.m.
GBSF Auditorium
Room 1005

In-person presentation

Medical Microbiology
and Immunology
School of Medicine

Seminar Contact:
Autumn Vega
530-752-9401

We hope to see you there!