UC DAVIS HEALTH | SCHOOL OF MEDICINE

Department of
Cell Biology and Human Anatomy

iBIO: Integrated Biomedical Sciences Seminar Series

Mustafa Aydogan, Ph.D.

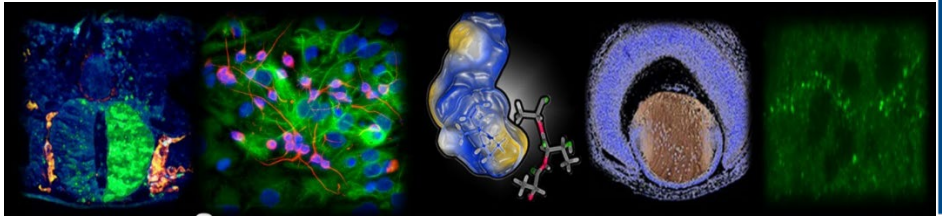
Assistant Professional Researcher
Department of Biochemistry and Biophysics
University of San Francisco (UCSF)

"Cytoplasmic divisions without nuclei"

Mustafa Aydogan's lab studies emerging mechanisms of biological time control beyond the classic knowledge of the cell cycle and the circadian clocks. As part of the growing community of biologists investigating autonomous clocks, his group focuses on timing mechanisms that regulate organismal development and metabolism in early embryogenesis, with a particular interest in cytoplasmic organization and organelle biology. As most biological processes occur rapidly in embryos, the early development appears to be under a selective drive for biological mechanisms that warrant *timely* progression. In this realm, he will present their recent discovery of cytoplasmic divisions without nuclei in flies, and how their preserved autonomy confers physiological advantages to safeguard the blastoderm from a type of cellular noise that introduces local delays in mitotic entry prior to morphogenesis.

Tuesday, September 27, 2022
GBSF Auditorium
10 a.m.

***To facilitate sharing of scientific data and ideas, seminar recording is prohibited**



September
27

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Host: Li-En Jao

ljao@UCDAVIS.EDU