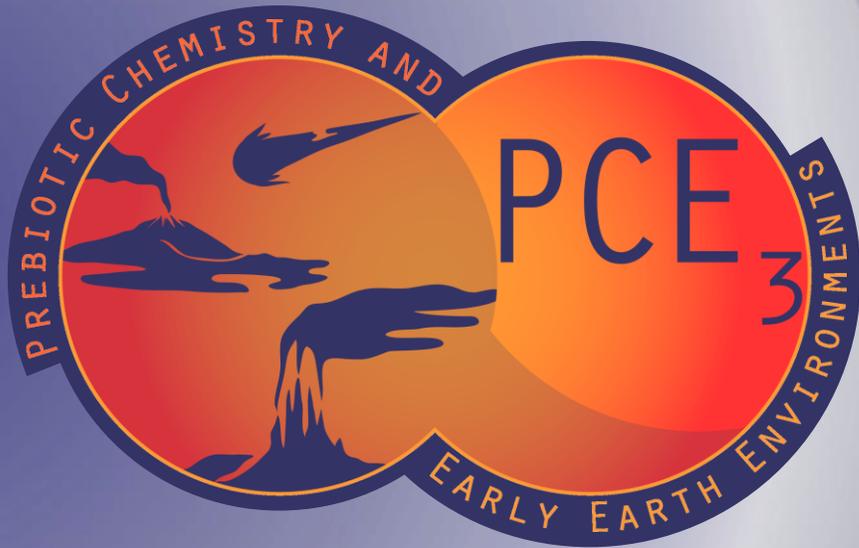


Theme:
Early Evolution



PCE₃ Seminar Series

Thurs, Sept 1st

1 p.m. EST/10 a.m. PST

More information & registration:

prebioticchem.info/seminar-series/index.html



@PCE3_Sci



Evrin Fer

Graduate Student
*University of Wisconsin-Madison,
Kaçar Lab*

"Exploring The Evolution of Translation"



Zachary Maschmann

Postdoctoral Researcher
*University of Wisconsin-Madison,
Forest Lab*

"Catalyzed Bilayer Lipid Symmetry and Early Evolution"

Topical introduction by Gustavo Caetano-Anollés, Professor at the University of Illinois

Evrin Fer

Evrin is a PhD student in the Kaçar Lab in the Department of Bacteriology, University of Wisconsin-Madison. Evrin obtained a B.S. degree from the Department of Molecular Biology Genetics at Istanbul Technical University, Turkey, and a Master's degree from the Department of Bioinformatics at Middle East Technical University, Turkey under the supervision of Professor Mehmet Somel. Evrin performed her Master's research focused on the allele frequency changes in the Anatolian populations by comparing modern Turkish genomes with the ancient human genomes from Neolithic Period (~10,000 ya). Evrin is currently working with Dr. Betül Kaçar on understanding the origin and evolution of early translation machinery.

Zachary Maschmann

Zachary Maschmann was born on November 26, 1993 on an Air Force base in Del Rio, Texas. Zach's primary education was spent in the public school system, after which he enrolled in college at the University of Colorado, Boulder in August 2012. While there, he performed research in the laboratories of David Walba and Amy Palmer. Following graduation in May 2015, he enrolled in the Cornell Chemistry and Chemical Biology Graduate Program, where he began researching the chemosensory apparatus for motility in *E. coli* under the advisement of Prof. Brian R. Crane. He graduated with his Ph.D. in August of 2021 and joined the laboratory of Katrina Forest at UW-Madison the following year as a postdoc.

Gustavo Caetano-Anollés

Dr. Gustavo Caetano-Anollés is a professor of bioinformatics at the University of Illinois and an expert in the fields of computational biology and evolutionary and comparative genomics. His lab seeks creative ways to mine, visualize and integrate data from structural and functional genomic research. His current interests focus on the origin, evolution and structure of biological molecules, chemistries, networks, and functions for synthetic biology. He is using his expertise in bioinformatics and biochemistry to compute the origin of life and the genetic code. He advocates for a world of coevolving molecules, dissipation of energy and information, and emergence of structure.

