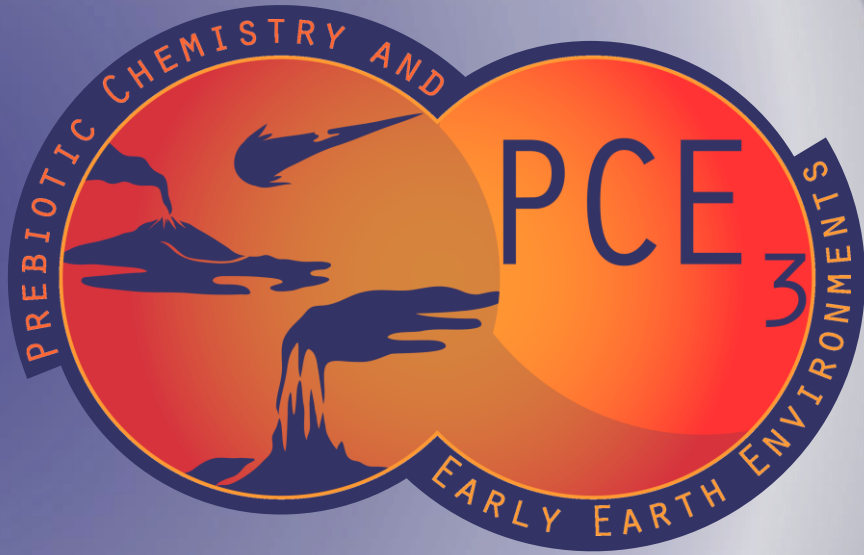


Theme:
Ancient Proteins



PCE₃ Seminar Series

Thurs, May. 18th - 5 p.m. EDT

2 p.m. PDT

More information & registration:

prebioticchem.org/seminars



@PCE3_Sci



Jennifer Timm

Postdoctoral Researcher
*Rutgers University, School of
Environmental and Biological
Sciences*

“Nickelback - a possible hydrogenase
on early Earth and implications for
early peptide catalysts at the origins
of life”



Jan Siess

PhD Candidate
*Rutgers University, Center for
Advanced Biotechnology and
Medicine*

“Utilizing dynamical attributes to parse
ferredoxin structural domains”

Jennifer Timm

Jennifer Timm is a structure biologist/biophysicist Postdoctoral Researcher at Rutgers University fascinated by all things protein, always looking for the detailed mechanisms behind nature's machines. Her scientific career led her to projects involved in drug discovery, drug resistance, histone deposition and metalloproteins in postdoctoral research at UMass Chan Medical School, the European Molecular Biology Laboratory, and Commissariat à l'Énergie Atomique et aux Énergies Alternatives. Hooked by the complex mechanisms seen in metalloproteins, she now tries to shed light on how at the very origin of life peptides might have started to hold metal clusters and do complex chemical reactions while being comparably simple themselves. In her free time she enjoys nature, being outside as much as possible.

Jan Siess

Jan Siess is a Graduate Research Assistant working in the lab of Dr. Vikas Nanda at Rutgers University. He currently employs various computational procedures to better understand the mechanisms governing evolution and the origins of life. Jan's research aims to improve the mapping of phylogenetic trees that extend into the ancient past by using the molecular dynamics of proteins as an additional metric. His work has merited significant recognition including the Rutgers Presidential Fellowship and a Fulbright Award.