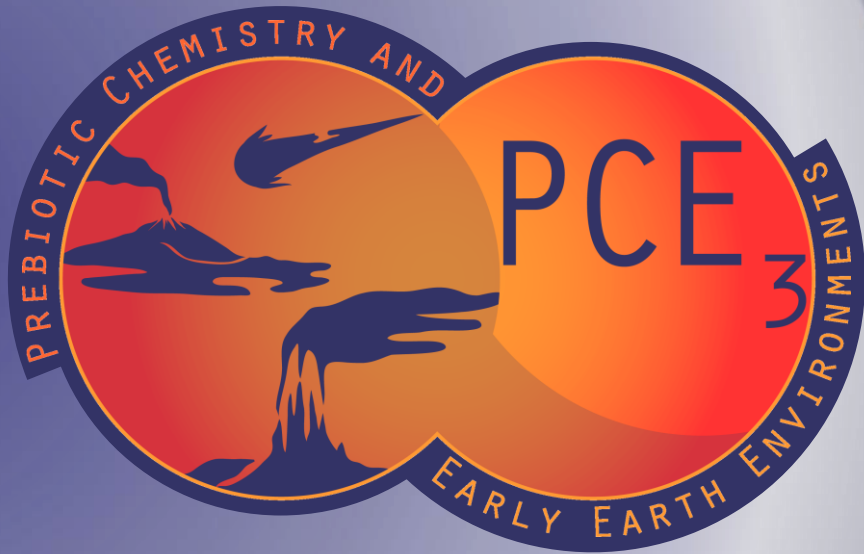


Theme:  
Prebiotic chemistry & Networks



## PCE<sub>3</sub> Seminar Series

Thurs, Apr. 6<sup>th</sup> - 5 p.m. EDT

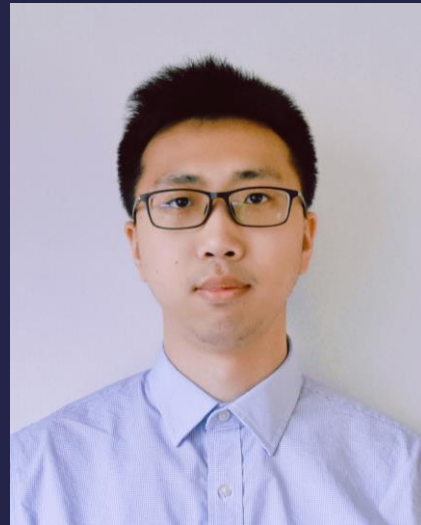
2 p.m. PDT

More information & registration:

[prebioticchem.org/seminars](http://prebioticchem.org/seminars)



@PCE3\_Sci



### Qiyuan Zhao

PhD Candidate

*Purdue University, Davidson School of  
Chemical Engineering*

*"Thermally Accessible Prebiotic  
Pathways for Forming Ribonucleic  
Acid and Protein Precursors from  
Aqueous Hydrogen Cyanide"*



### Bruno Cuevas Zuviría

Postdoctoral Researcher

*University of Wisconsin-Madison,  
Department of Bacteriology*

*"Connecting the Dots: from Prebiotic  
Chemistry to Translation"*

## Qiyuan Zhao

Qiyuan Zhao is a fifth-year PhD candidate with expertise in automated reaction network prediction. After graduating as a physics major from Shanghai Jiao Tong University in China, he made a significant transition into chemical engineering and joined Purdue University in 2018. Qiyuan is currently pursuing his PhD under the guidance of Prof. Brett Savoie, focusing on innovative approaches to reaction network exploration. In this PCE<sub>3</sub> seminar, Qiyuan will share his recent study on the comprehensive exploration of prebiotic reaction networks using a novel method developed during his PhD study.

## Bruno Cuevas Zuviría

Bruno Cuevas Zuviría graduated from the Universidad Politécnica de Madrid in 2016, majoring in biotechnology. He obtained his masters in mathematical modeling in 2017 from Universitat Autònoma de Barcelona. He then returned to the Universidad Politécnica de Madrid to pursue his PhD, studying machine-learning enabled prediction of electron densities, which he obtained in 2021. Since fall 2021, he has been a postdoctoral researcher at UW Madison in the lab of Betül Kaçar. He is the recipient of the Margarita Salas Postdoctoral Fellowship. His main research interests are in computational modeling of the evolution of chemical reaction networks and the evolution of protein dynamics.