PCE_3 Seminar Series

Thurs, September 5

12 p.m. EST/9 a.m. PST

More information & registration:
prebioticchem.info/seminar-series/index.html

Lukas Rossmanith

PhD student

University of Cambridge, Dept. of Physics

"Investigating the Impact of Stellar Flux Variability on Single Prebiotic Reactions"

Skyla White

PhD student

University of Cambridge, Dept. of Physics

"Shedding a Light on the Kinetics of the Carboxysulfitic Scenario"

Topical introduction by Paul Rimmer, University of Cambridge

Lukas Rossmanith

Lukas Rossmanith completed his MSci in Physics and Chemistry from the University of St Andrews in 2023. During his time at St Andrews he worked with the St Andrews Centre for Exoplanet Science (StA-CES) as an undergraduate research assistant. Working with Dr Eva Stüecken and Dr Patrick Barth on Urey-Millar type lightning reaction experiments, he contributed to the group's research on lightning as a source of fixed nitrogen. Since October 2023, he has been a member of the Planetary Astrochemistry research group, led by Dr. Paul B. Rimmer at the University of Cambridge, as a PhD student in Physics. His research is aimed at investigating how variations in stellar irradiation (e.g. via stellar flaring) can impact the outcomes of surface prebiotic chemistry.

Skyla White

Skyla B. White earned her BSc in Biochemistry from the University of Warwick in 2021, followed by an MSc in Geochemistry from the University of St Andrews in 2022. She is currently pursuing a PhD in Physics as a member of the Planetary Astrochemistry research group led by Dr. Paul B. Rimmer at the University of Cambridge. Skyla's research is focused on investigating the kinetics of ultraviolet-driven prebiotic reaction networks and developing models to illuminate life's origins.