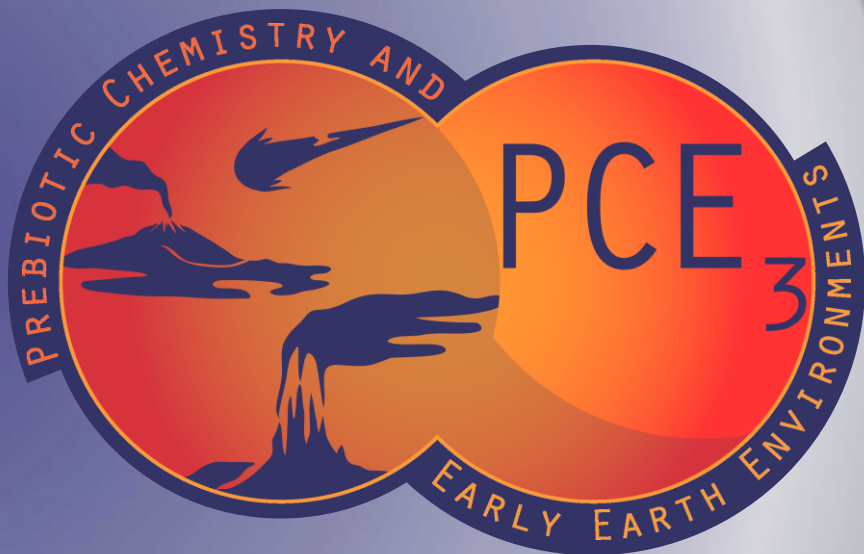


Theme:  
Protometabolism



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

Thurs, June 30<sup>th</sup>

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

More information & registration:  
[prebioticchem.info/seminar-series/index.html](http://prebioticchem.info/seminar-series/index.html)



@PCE3\_Sci



### Harpreet Kaur

Graduate Student  
*Institute of Supramolecular Science & Engineering, Strasbourg, Moran Lab*  
“H<sub>2</sub>/CO<sub>2</sub> Driven Autonomous Reaction Networks at the Origin of Life”



### Ziwei Liu

Investigator Scientist  
*MRC Laboratory of Molecular Biology, Cambridge, Sutherland Lab*  
“Prebiotic photoredox synthesis for central carbon metabolism compounds”

Topical introduction by Kamila Muchowska, CNRS Research Assistant Professor, Institute of Supramolecular Science & Engineering, University of Strasbourg

## Harpreet Kaur

Harpreet received her MSc in Chemical and Pharmaceutical Technologies in 2018 from the University of Siena. She is currently a third year PhD student in Prebiotic Chemistry at the Institute of Supramolecular Science and Engineering in Strasbourg under the supervision of Prof. Joseph Moran. Harpreet's research has focused on protometabolic chemical processes that could have contributed to initiating and templating self-organized prebiotic chemistry on the early Earth.

## Ziwei Liu

Dr. Ziwei Liu received his PhD degree in Inorganic Chemistry from SKL of Inorganic Synthesis & Preparative Chemistry, Jilin University. He was selected as a Simons Foundation Fellow, working with Prof. Robert Pascal in the University of Montpellier. He is currently an investigator scientist in MRC-LMB working with Prof. John Sutherland. He is working on the fixation of carbon dioxide under prebiotic plausible conditions, the synthesis of building blocks, the chemical network for the activation of amino acids and nucleotides, and the origin of translation.

## Kamila Muchowska

Kamila B. Muchowska is a CNRS Research Assistant Professor at the Institut de Science et d'Ingénierie Supramoléculaires (University of Strasbourg & CNRS), associated with the Laboratory of Chemical Catalysis. She obtained her MSc Eng degree in chemical technology from the Gdansk University of Technology (Poland) in 2011. In 2015, she was awarded her PhD in physical organic chemistry (Prof. Scott Cockroft, University of Edinburgh, UK). After 3.5 years as a postdoctoral researcher with Prof. Joseph Moran, where she studied metabolism-like reactions potentially related to the origin of life on Earth, she joined the CNRS (French National Center for Scientific Research) in 2019 in the molecular biology/biochemistry section, and was awarded a permanent position in 2020. Her research interests include prebiotic chemistry and complex systems science.

