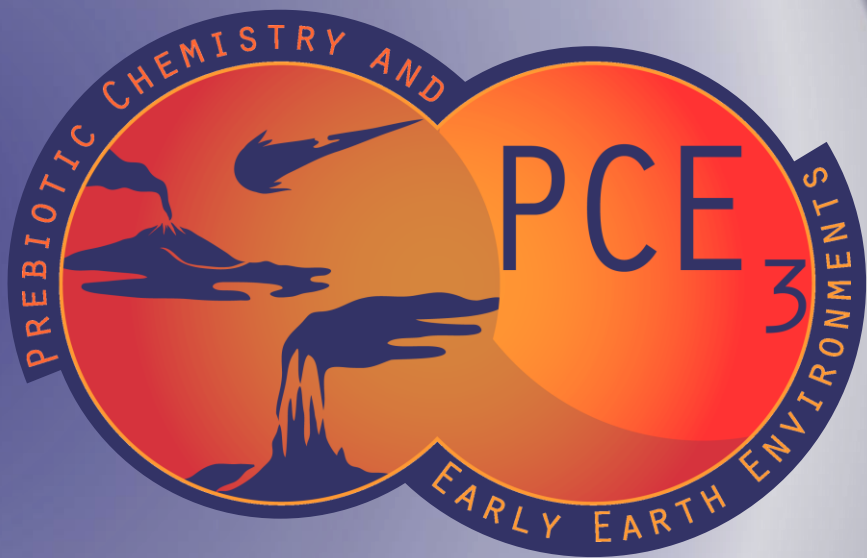




PCE₃ Seminar Series

Tuesday, Oct. 13th

11 a.m ET/8 a.m. PT

More information & registration:

<https://www.prebioticchem.org/seminar-series-signup>



Valerio Guido Giacobelli

Senior Researcher
*Charles University, Dept. of Cell
Biology, Prague, Czech Republic*

"Ancient amino acid sets enable
stable protein folds"



Matúš Friček

PhD student
*Charles University, Dept. of Cell
Biology, Prague, Czech Republic*

"Prebiotically plausible peptides
can self-assemble into β -rich
structural hubs"

Valerio Guido Giacobelli

Valerio Guido Giacobelli is a Senior Scientist at Charles University in Prague, where he studies the evolution of ancient translation systems, from the emergence of the early ribosome to the origin and evolution of ancient proteins. He received his PhD in Biotechnology before moving to Prague for a postdoctoral position, where he shifted his research focus toward the origins of life and molecular evolution. His work now combines experimental and computational approaches to investigate how early proteins and translation systems emerged, evolved, and shaped the development of modern biology.

Matúš Friček

Matúš Friček is a PhD researcher at Charles University in Prague, focusing on protein evolution and the origins of life. He did his undergraduate studies in biochemistry and in his PhD research, he explores how functional proteins and molecular systems can emerge from random or simplified amino acid sequences, providing insights into the early evolution of biological complexity. His work combines experimental protein biochemistry, molecular biology, and biophysical approaches to investigate protein sequence space and prebiotic molecular systems.