PCE_3 Seminar Series

Thurs, Oct. 7th

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

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

Art Omran

Visiting Assistant Professor
University of North Florida
"Reduced Phosphorus Species and Fenton Based Chemical Disequilibrium"

Craig Walton

PhD Candidate
University of Cambridge
"Phosphorus on early Earth: from minerals to microbes"

Topical introduction by Dr. Matthew Pasek, Professor, University of South Florida

Art Omran

Arthur Omran has a Ph.D. in Physical Chemistry. He is currently a visiting assistant professor at the University of North Florida in the Department of Chemistry. He worked with Dr. Matt Pasek on the origins of life as a Postdoctoral scholar before that. Previously, he studied to be a Catholic priest, obtained a master's degree in microbiology, and obtained a master's degree in biochemistry. His interests include phosphorus chemistry, the formose reaction, protometabolic systems, chemical complexity, and chemical evolution.

Craig Walton

Craig Walton is a 3rd year PhD student in the University of Cambridge Department of Earth Sciences. Walton's PhD research has probed the role of phosphate minerals in recording asteroid collision processes; the geological backdrop of prebiotic chemistry; and the evolution of global phosphorus (P) cycling. Craig's work on P cycling has focused on the evolving mineral inventory of Earth's crust over time, challenging preconceptions about the diversity of important P-bearing minerals at the surface of early Earth – both during the origin of life, and across the first half of Earth history.

Matthew Pasek

Matthew Pasek is a professor of geoscience at the University of South Florida. His research interests include the chemistry of phosphorus in planetary systems, from planetary scale cosmochemistry to prebiotic chemistry, with much of his work focused on prebiotic phosphorylation. He also works on modern phosphorus geochemistry and its environmental impacts as an independent consultant. He received the Stanley Miller early career award from ISSOL and a Templeton Ideas prize. He holds a Ph.D. in Planetary Science from the University of Arizona.