



PCE₃ Seminar Series

Thurs, April 7th

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

More information & registration:

prebioticchem.info/seminar-series/index.html



@PCE3_Sci



Eric Parker

Research Scientist

NASA's Goddard Space Flight Center

"Drawing Implications for the Origins of Homochirality from Meteoritic Organics"



Allie Fox

Postdoctoral Fellow

NASA's Johnson Space Center

"Does Chirality Influence the Stability of Amino Acid - Cu Complexes in the Salt-Induced Peptide Formation? Insights from Density Functional Theory Calculations."

Topical introduction by Daniel Glavin, Associate Director of Solar System Science at NASA's Goddard Space Flight Center

Eric Parker

Eric Parker is a research scientist in the Astrobiology Analytical Laboratory at NASA Goddard Space Flight Center. He completed a Ph.D. in chemistry at Georgia Tech where he studied analytical chemistry and prebiotic chemistry. His current work at Goddard is focused on the analyses of meteorites, asteroid sample-return materials, and extraterrestrial microparticles for prebiotic organics to better understand the origin of life on Earth.

Allie Fox

Allie Fox is a NASA Postdoctoral Fellow at Johnson Space Center. Her research focuses on how the molecular and isotopic characteristic of organic material affects their preservation and evolution into biomolecules. Allie's work in particular focuses on the role of organic-mineral interactions in influencing these processes. Prior to her NPP at Johnson, Allie completed her Ph.D. in Geosciences at Penn State University in 2020.

Daniel Glavin

Danny Glavin earned a B.S in Physics from the University of California at San Diego in 1996 and a Ph.D. in Earth Sciences from the Scripps Institution of Oceanography in 2001. He is currently the Associate Director of Solar System Science at NASA's Goddard Space Flight Center and a member of the Astrobiology Analytical Laboratory. His research interests include the analysis of prebiotic organic compounds in extraterrestrial materials and the search for chemical biosignatures on Mars and elsewhere in the solar system. Dr. Glavin is leading the organics analysis team on NASA's OSIRIS-REx mission and is also a member of the Curiosity rover and Mars Sample Return science teams. He has written several articles and book chapters on amino acids and left handed enantiomeric excesses in meteorites including a recent paper in Chemical Reviews entitled "Chiral Asymmetry as a Potential Biosignature in our Solar System". In recognition of Dr. Glavin's meteorite research, the International Astronomical Union named an asteroid after him, asteroid (24480) Glavin.

