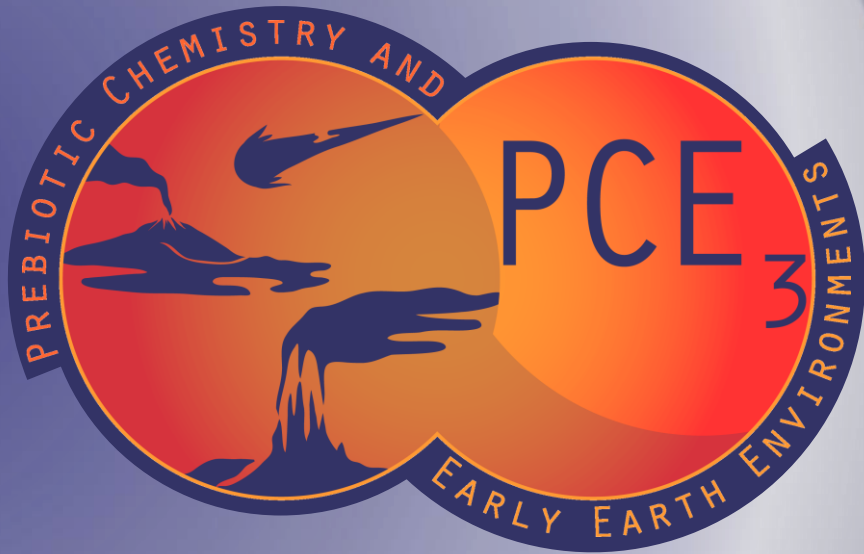


Theme:
Astrochemistry



PCE₃ Seminar Series

Thurs, Dec 1st - 9 a.m. JST

11 a.m. AEDT

Wed, Nov 30th - 8:00 p.m. EDT

More information & registration:

prebioticchem.info/seminar-series/index.html



@PCE3_Sci



Ben Laws

Postdoctoral Researcher
*University of New South Wales,
Molecular Photonics Laboratories*

“Probing the astrochemistry of early Earth, using lab-based spectroscopy to decipher clues from the night sky”



Samantha Scibelli

PhD Candidate
*University of Arizona, Department of
Astronomy and Steward Observatory*

“Probing the Prebiotic Chemistry of Early-Stage Star and Planet Formation”

Topical introduction by Timothy Schmidt, Professor at The University of New South Wales in Sydney, Australia

Ben Laws

Ben Laws is a postdoctoral researcher, working in the Molecular Photonics Laboratories at the University of New South Wales, in Sydney Australia. Ben completed his PhD in physics at the Australia National University, and his undergraduate education at the University of Canterbury in New Zealand. Ben's research interests surround the use of novel spectroscopic techniques to search for clues that can help solve puzzles in astronomy. By performing lab-based experiments, that can be compared to astronomical observations, he aims to help uncover the rich variety of chemistry occurring in our universe.

Samantha Scibelli

Samantha Scibelli is a PhD candidate and a National Science Foundation (NSF) Graduate Research Fellow who studies astronomy and astrophysics at the University of Arizona's Department of Astronomy and Steward Observatory. She received her bachelor's degree in physics and astronomy in 2017 from Stony Brook University in Stony Brook, New York. Samantha studies dense nurseries of gas and dust prior to the formation of stars in order to understand their evolution and complex chemistry. Samantha is interested in the broader topics of star formation, astrochemistry, astrobiology and radio astronomy.

Timothy Schmidt

Professor Timothy Schmidt was educated at The University of Sydney, winning the University Medal for Theoretical Chemistry in 1997. He undertook his PhD at The University of Cambridge in the field of femtosecond spectroscopy under the supervision of the late Dr Gareth Roberts. He was a postdoctoral research associate of Prof. Dr John Paul Maier, FRS in Basel, Switzerland, where he researched highly unsaturated hydrocarbon molecules of astrophysical relevance. Tim returned to Australia in 2003 to take up a position at CSIRO researching artificial photosynthesis. He was appointed as a lecturer in the School of Chemistry at The University of Sydney in 2004 and there rose to Associate Professor before moving to UNSW in 2014 as Professor and ARC Future Fellow. At UNSW he is Research Director of the School of Chemistry and Chief Investigator of the ARC Centre of Excellence in Exciton Science. Professor Schmidt has been the recipient of a number of awards for his research including the Coblentz Award (2010) for contributions to the science of molecular spectroscopy.

