



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

Thurs, Oct 28<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)



## Ben Uveges

Postdoctoral Fellow

*Massachusetts Institute of Technology*

"Event, Episodes, or Endurance?  
Reevaluating the link between  
atmospheric oxygen and the minor  
sulfur isotope record"



## Gareth Izon

Research Scientist

*Massachusetts Institute of Technology*

"Rosetta [brim]Stone: Translating  
Isotopic Greek into the Story of  
Earth's Oxygenation"

Topical introduction by Roger Summons, Schlumberger  
Professor of Geobiology, Massachusetts Institute of Technology

## Ben Uveges

Ben is a postdoctoral research associate in the Summons Lab at MIT. Ben completed his PhD in Earth Sciences at Syracuse University and has a B.Sc. in Chemistry from McGill University. His current research centers around characterizing the biological and geochemical response to the rise of oxygen surrounding the Great Oxidation Event (GOE) and how it set the trajectory for the evolution of complex life as we know it today. More specifically, Ben utilizes the stable isotopic signatures of carbon, nitrogen, and sulfur to trace the complex interactions between the atmosphere, biosphere, and geosphere and the chemical cycling of the major bio-essential elements.

## Gareth Izon

Having completed his respective bachelor's and master's degrees in Geological Sciences (2004-2007) and Geochemistry (2007-2008) at the University of Leeds, Gareth completed a PhD from The Open University in 2013. Following a 3-year post-doctoral appointment at the University of St. Andrews, Gareth migrated across the pond where he currently resides as a research scientist within the Summons Lab at MIT. While Dr Izon has a broad interest in the development and application of novel elemental and isotopic proxies to a suite of planetary questions, today he'll stay firmly rooted in the Palaeoproterozoic, discussing its minor sulphur isotope record and the information it encodes on our planet's oxygenation.

## Roger Summons

Roger Summons is Schlumberger Professor of Geobiology in the Department of Earth, Atmospheric and Planetary Sciences at the Massachusetts Institute of Technology. He is a biogeochemist who studies molecular and isotopic fossils to illuminate the history of life on the Earth. He was born in Sydney, Australia, and attended the University of New South Wales at the Wollongong University College, now the University of Wollongong, where he was awarded B.Sc. (1969) and Ph.D. (1972) degrees in chemistry. After postdoctoral work in the Genetics Department at Stanford University, he held positions at the Australian National University and Geoscience Australia before joining MIT as Professor of Geobiology in 2001. He is a fellow of the Australian Academy of Science, the American Geophysical Union, The Royal Society of London and is a member of the National Academy of Sciences.

