

# Nutrient Cycling on the Modern and Ancient Earth

6<sup>th</sup> & 7<sup>th</sup> July 2015

School of Earth & Environment  
University of Leeds

A symposium to honour the retirement of Professor Michael Krom

Evening Ice-breaker – 5<sup>th</sup> July

Convenors:

**Liane G. Benning, Simon Bottrell, Rob Mortimer and Simon Poulton**

The availability of nutrients exerts a fundamental control on all life, and has done so throughout Earth history. Despite this significance, controls on nutrient availability in modern and ancient environments, feedback mechanisms associated with nutrient recycling, and large scale implications for the evolution of the biosphere are often poorly understood. This two day meeting will explore advances in our understanding of the behaviour of nutrients in modern and ancient environments across all spatial and temporal scales.

**The 5 main themes of the meeting are:**

- Macronutrients in the modern ocean & atmosphere
- Micronutrients in the modern ocean & atmosphere
- Nutrient dynamics through earth history
- Redox and mineral controls on nutrient cycling
- Modelling nutrient availability, consequences and feedbacks

**Confirmed Keynote Speakers:**

Robert Aller (Stony Brook University)

Don Canfield (University of Southern Denmark)

Ellery Ingall (Georgia Tech)

Tim Jickells (University of East Anglia)

Thanos Nenes (Georgia Tech)

Philippe Van Cappellen (University of Waterloo, Canada)

**Key Dates**

Registration and Abstract submission will be open from

**1<sup>st</sup> March 2015 until 24<sup>th</sup> April 2015**

There are a maximum of 100 places available

For further information please visit our website: <http://www.see.leeds.ac.uk/nutrients/>