



Geomicrobiology Workshop

9-11 October 2019, TU Kaiserslautern, Kaiserslautern

The primary goal of this International Workshop is to introduce non-biologists from the geological and geochemical disciplines to biology in order to interpret the events leading up to the Great Oxygenation Event (GOE). We will focus our practical activities on cyanobacteria, as they are the only known bacteria that are able to conduct oxygenic photosynthesis, the process that is generally thought to have led to the GOE. The workshop will also address the contribution of other bacterial processes to Archean ecology, such as methanogenesis and nitrogen fixation.

This programme will consist of lectures by world experts in the field of Geobiology, in English, as well as introductory hands-on experience working with cyanobacteria and methanogens in the laboratory under present day and Archean conditions. The combination of practical work and theoretical discussion aims to support participants in their ongoing research topics targeting the oxygenation of the Earth's atmosphere during the late Archean. Confirmed speakers are Emmanuelle Javaux (Liege), Stefan Lalonde (Brest), Eva Stüeken (St Andrews) and Patricia Sanchez-Baracaldo (Bristol).

We invite applications to attend the workshop to be hosted by the Dept. Microbiology, TU Kaiserslautern, Germany. Attendance is capped at 25 attendees based on date of registration. Participants need to make their own travel arrangements and book their own hotel accommodation.

Please register by emailing Dr Michelle Gehring (mgehring@bio.uni-kl.de) a short motivational letter, in pdf format, stating your research interests, by 18.09.2019. We invite PhDs and early career postdocs of the SPP 1833 "Building a Habitable Earth" to apply for student travel scholarships (max. 15). Please forward your application to the co-ordination office (spp-1833@uni-koeln.de) for consideration.

We look forward to meeting you in Kaiserslautern.

Michelle Gehring & Achim Herrmann