Postdoctoral Position, Cell Biology

Although growth is a defining characteristic of life, the molecular underpinning of this fundamental biological process is largely unknown. The Archaea Biology and Ecogenomics Division of the University of Vienna has started to include non-model, phylogenetically basal microorganisms in their studies in order to unravel the diverse mechanisms of cell morphogenesis and how these evolved. Of particular interest are Archaea belonging to the TACK superphylum and the recently discovered Asgard Archaea that are currently considered the closest prokaryotic relatives of Eukaryotes.

We seek a highly motivated and creative candidate for a postdoctoral associate position to investigate cell growth and division of non-model archaea at the molecular level. The candidate should have a strong background in cell biology and biochemistry, and we will give preference to those with prior experience in state-of-the-art cell imaging techniques.

Qualifications and responsibilities are as follows:
1. The successful candidate has completed a Ph.D. in cell biology, biochemistry, microbiology or related fields and has basic experience in microscopic imaging (e.g., 3D structured illumination microscopy, as well as classic and live cell fluorescence microscopy) and molecular biology.
2. The applicants must have first-author papers in peer-reviewed journals and must be highly motivated.
3. The applicants must be able to design and conduct experiments, prepare and present their researches at scientific conference.
4. The applicants are expected to write and edit/revise research manuscripts and be proficient in English communications.

The atmosphere in the laboratory is collaborative and multidisciplinary and we offer internationally competitive salary and benefit. The successful candidate will interact on a daily basis with international colleagues carrying out studies on different areas of research (genetics, genomics, microbial physiology, evolution and symbioses) and approaches (cultivation, molecular biology genetic engineering, biochemistry, etc).

The work will be financed by the European Research Council (ERC) grant *TACK Superphylum and Lokiarchaeota Evolution: dissecting the ecology and evolution of archaea to elucidate the prokaryote to eukaryote transition* (TACKLE).

To apply for this position please send a CV to Drs. Silvia Bulgheresi and Christa Schleper (silvia.bulgheresi@univie.ac.at, christa.schleper@univie.ac.at).

The position will be filled as soon as a suitable candidate has been found.