



Postdoctoral Position – Molecular plant-microbe interactions

A postdoctoral position is available for three years in the field of molecular plant-microbe interactions with the Max Planck research group “Environmental Genomics” headed by Prof. Eva H. Stukenbrock. The Max Planck group is affiliated with the Max Planck Institute for Evolutionary Biology in Plön and the Christian-Albrechts University of Kiel in the North of Germany.

Background

The Environmental Genomics group studies the co-evolution of plant pathogens associated with wild and cultivated plants. We aim to understand how fungal pathogens adapt to the co-existence with their host plant and how divergent host specialization shapes molecular plant-fungus interactions. The project outlined for this post doc position aims at understanding the underlying traits of plant pathogen host specialization. The research should focus on molecular and biochemical aspects of plant-pathogen interactions using *Zymoseptoria tritici* as a primary model system. The study will integrate functional analyses of genes involved in pathogenicity, infection assays, advanced microscopy and metabolomics. More information on ongoing research in the Environmental Genomics group see: <http://web.evolbio.mpg.de/envgen/>

Description

The candidate must have a PhD degree in molecular plant biology, plant biochemistry or a related field, and must have a proven record of independent research. Experience with experimental and molecular plant microbiology is required. Furthermore experience with plant cell biology, advanced microscopy and metabolomics is an advantage. Good presentation, writing, computing and organizational skills and the ability to work independently are a must. The selected candidate will have the opportunity to collaborate in an interdisciplinary team of biologists (molecular biologists, evolutionary biologists and population geneticists) as well as to pursue unique research in the field of molecular phytopathology. For further information regarding the position please contact Eva Stukenbrock (estukenbrock@bot.uni-kiel.de).

Application

Interested candidates should send a motivation letter including a description of current research directions, an up-to-date CV, together with the names and the contact information of at least two references to aarndt@bot.uni-kiel.de as pdf. Application deadline is September 5th 2019.