Postdoctoral Position – Evolutionary ecology of plant-microbial associations

A postdoctoral position is available for three years in the field of **evolutionary and molecular ecology of plant-microbe interactions** in the "Environmental Genomics" group headed by Prof. Eva H. Stukenbrock. The group is working at the **Christian-Albrechts University of Kiel and at the Max Planck Institute for Evolutionary Biology** in the North of Germany (see more: http://web.evolbio.mpg.de/envgen/). The post doctoral position is compensated at E13 TV-L, covers 38,7h/week and includes teaching (4 LVS).

Background

We study the adaptation and ecology of plant associated microorganisms of cultivated and wild plants. A main focus of our research is plant pathogenic fungi. We have recently demonstrated that infection of plant tissues by pathogenic fungi strongly impacts the composition of the plant microbiota. With this project we seek to further understand the tri-partite interaction of pathogenic fungi with plant associated microorganisms and the plant immune system. In particular this project will address the adaption and ecology of endophytic fungi by the integration of field sampling, molecular and experimental approaches, and statistical analyses of high-throughput data. Plant microbiota work already conducted in the group is part of the Community Research Center "**Function and Origin of Metaorganisms**" (see: http://www.metaorganism-research.com).

Description and qualifications

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 evolutionary ecology and plant-microbe interactions.

The candidate must have:

- A PhD degree in evolutionary microbiology or molecular ecology
- Experience with experimental and molecular plant microbiology
- Experience with the design and implementation of field sampling, high-throughput techniques, and statistical analyses as well as a strong background in evolutionary and/or ecological theory.
- Proven record of independent research.
- Good presentation, writing, computing and organizational skills and the ability to work independently.

For further information regarding the position please contact Eva Stukenbrock (estukenbrock@bot.uni-kiel.de).

Kiel University strives for a high proportion of women in research and teaching. Applications from qualified female scientists are therefore particularly encouraged. Applications from

candidates with migration background are welcome. Disabled persons will be given preference in filling vacancies within the existing legal provisions if equally qualified.

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 Eva H. Stukenbrock (estukenbrock@bot.uni-kiel.de) as pdf. Application deadline is 20.12.21.