



**Postdoctoral Research Position at the Max Planck Institute for Plant Breeding
Research in Cologne
(Dept. Plant-Microbe Interactions)**

**Impact of temperature on plant stress hormone pathway balance, fitness and
microbial endophyte diversity**

Applications are invited for a postdoctoral position (initially for 2 years with the possibility of extension) in the group of Prof. Jane Parker. The project aims to study the impact of temperature, as one key environmental factor, on plant stress hormone pathway homeostasis and how this influences the structure of plant-associated microbial communities within and between species of the Brassicaceae. The project is in association with SFB 680 (Molecular Basis of Evolutionary Innovations: <http://www.sfb680.uni-koeln.de/>) and part of a broader collaboration with the groups of Maarten Koornneef and Paul Schulze-Lefert (at MPIPZ) and colleagues at the Universities of Düsseldorf and Cologne to characterize plant endophytic microflora and measure genotype x environment (G x E) effects on plant fitness traits and microbial diversity. The Max-Planck Institute for Plant Breeding Research (MPIPZ) is a world premier site for studying fundamental processes in plant biology. It offers an international research environment with excellent laboratory and bioinformatics infrastructures and a new genome centre. The working language is English. The researcher will be expected to establish links and generate new tools with members of the other groups to develop the scientific program. PhD students close to submitting their thesis work or postdoctoral researchers with a strong academic record in the areas of plant evolutionary biology, genetics, genomics or plant-microbe interactions are encouraged to apply by email to our departmental office (Frau Ute von Ciriacy; ciriacy@mpmpz.mpg.de) with a short letter describing their research interests and CV with names and contacts of two/three academic referees. Informal inquiries can also be made by telephone to Jane Parker (0049 (0)221 5062-303) or Ruben Alcázar (5062-469/431).