The **Professorship of Plant Breeding, Institute for Plant Production and Plant Breeding I, Faculty of Agricultural Sciences, Nutritional Sciences and Environmental Management**, invites applications for a

**postdoctoral position (100%)**

for a fixed term of 18 months beginning 1st May, 2019 within the framework of the DFG-funded Emmy Noether Group "hybrid speciation in Brassica". The salary of the position is determined by payment group E 13 according to the collective labor agreement of the State of Hessia (TV-H)

**Tasks:**

- The successful candidate will work within a new DFG-funded Emmy Noether Research Group on determination of the genetic mechanisms underlying successful species establishment in interspecific hybrids between *Brassica* species.
- The project will employ genome-wide molecular marker screening and molecular cytogenetic techniques to investigate the fate of homoeologous chromosome exchanges between *Brassica* chromosomes in populations derived from inter-species hybrids, and their influence on fertility and other evolutionarily relevant traits.

**Prerequisites:**

- The candidate should have completed a PhD or equivalent in genetics, plant biology or a related field.
- Expertise or knowledge of classical and molecular cytogenetics (meiotic analysis, fluorescent in-situ hybridisation), molecular genetics (marker analysis) and particularly analysis of genomic data (writing and using sequence analysis pipelines in R or Python) is strongly desired, if possible in *Brassica* or in polyploid crops.
- Experience in supervising students at the undergraduate and postgraduate level will be favourably perceived.
- Excellent English language skills (both oral and written) are absolutely necessary.

The JLU aims to employ a higher proportion of women in the field of science. We therefore particularly encourage female candidates to apply. JLU is regarded as a family-friendly university. Applicants with children are very welcome.

Please send your letter of application including relevant academic qualifications and a brief outline of your research experience to **Dr. Annaliese Mason, Justus Liebig University, Giessen, Department of Plant Breeding, Heinrich-Buff-Ring 26-32 Giessen, Germany** or per Email to **IPZ-sekr@lists.uni-giessen.de**, quoting reference number 245/09. Applications must be received by 30th March, 2019 at the latest. Applications from disabled people of equal aptitude will be given preference.