



## Conserving – Exploring - Exploiting

The [IPK](#) is one of the world's leading international institutions in the field of plant genetics and crop science. Its research program and services contribute materially to conserving, exploring and exploiting crop diversity. Its research goals are driven by the need to ensure an efficient and sustainable supply of food, energy and raw materials, thereby addressing a major global ecological challenge.

### PhD Student (f/m) – Chromosome Biology

The research group [Meiosis](#) is interested in the process of plant meiosis that generates genetic variation through homologous recombination and the research group [Chromosome Structure and Function](#) ([www.facebook.com/CSF1Houben](http://www.facebook.com/CSF1Houben)) is interested in deciphering the function, regulation and evolution of plant chromosomes.

#### Your tasks:

- You will develop virus-based gene manipulation tools (for gene overexpression, knockdown and knockout), for the analysis of reproductive genes in, e.g. barley, rye and wheat.
- You will perform molecular cloning, infect plants with viruses and you will analyse virus effects based on molecular, biochemical and cytological methods.
- You will communicate with cooperation partners.
- You will present results at scientific meetings and write journal articles.

#### You fit to us:

- You are fascinated by plant biology and a highly motivated person.
- You can organise your work independently.
- You want to work in a modern research center with state of the art facilities and scientists from all over the world.
- You are a team player.

#### Your qualifications and skills:

- You have a master, diploma or an equivalent degree in biology or any related field.
- Knowledge of molecular and/or biochemical techniques are desired.
- You have solid English skills, which are a prerequisite for effective work in our multicultural working environment.
- Previous experience in working with plants (in particular cereals) and/or with plant viruses as well as knowledge of molecular cloning and cytogenetic techniques, are a plus.

#### We offer you:

- A cutting edge research environment, as well as a friendly and productive working atmosphere.
- The [IPK Graduate Program](#).
- A project-based position limited to 36 months, starting at the earliest on April 1<sup>st</sup> 2018 and with a gross salary of 65 % of up to E13 TV-L.

If you need further information, please feel free to contact **Dr. Stefan Heckmann** ([heckmann@ipk-gatersleben.de](mailto:heckmann@ipk-gatersleben.de)) or **Prof. Dr. Andreas Houben** ([houben@ipk-gatersleben.de](mailto:houben@ipk-gatersleben.de)).

#### What you need to know:

For us, your qualifications and strengths count. Therefore, everyone – independent from gender, origin, age, or possible disability – is welcome. The IPK is striving to increase the proportion of women in sectors where they are underrepresented and therefore explicitly encourages qualified women to apply. As an institution which has been awarded the Certificate for Career and Family (“berufundfamilie”), we offer family-friendly working conditions and flexible working hours. The IPK has set a goal to employ more people with disabilities. Qualified applicants with a disability will be given preference.

#### Your application:

We are looking forward to receive your [online application](http://www.ipk-gatersleben.de/en/job-offers/) (<http://www.ipk-gatersleben.de/en/job-offers/>) until 7<sup>th</sup> March 2018. If you have questions or require more information, please do contact **Ms. Jacobi** ([jobs@ipk-gatersleben.de](mailto:jobs@ipk-gatersleben.de)). Please indicate the **reference number 08/01/18** in your correspondence.