

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 Position in Wheat Developmental Genetics (f/m/d)

The culturally diverse Independent HEISENBERG-Research Group "*Plant Architecture*" is primarily interested in basic research questions on how do cereal inflorescences, called spikes, develop and how does this contribute to yield formation. For more details on research and publications please visit our [home page](#).

Your tasks:

- You are working in a project to elucidate the molecular mechanisms of spikelet/floret development and spike architecture in wheat using latest genetic, physiological and metabolic approaches.
- Discover, isolate and functionally characterize QTL or genes for spike/spikelet/floret traits.
- Utilize latest CRISPR-approaches and transgenic plants to study genes and their regulation during spikelet/floret development.
- Elucidate spatio-temporal patterns of metabolite and phytohormone distributions in spike and spikelet/floret sections using latest mass spectrometric methodology.

You fit to us:

- You are a courageous, highly motivated and creative person.
- You can organize your work independently.
- You should have demonstrated capacity to master the broad skill set necessary for the successful completion of a research project.
- You are a team player.

Your qualifications and skills:

- You have a master, diploma or equivalent degree in agriculture, biology or any related field.
- Knowledge of molecular, cytological and/or biochemical techniques, or genetic analyses (e.g. Linkage and QTL analysis); hands-on experience in working with plants (e.g. cereals) is desirable.
- You like phenotyping on all levels – from whole-plant over organ to cellular features.
- Readiness for field work is expected.
- Solid English skills are a prerequisite for effective work in our multicultural environment.

We offer you:

- The opportunity to work in a world class research center with state of the art facilities and scientists from all over the world.
- Friendly and productive working atmosphere.
- An employment starting at the earliest from July, 1st 2019 or later limited for 36 month.
- Gross salary will be up to 50% E13 TV-L.

For further information please contact **PD Dr. Thorsten Schnurbusch** (schnurbusch@ipk-gatersleben.de) or phone **++49-(0)39482-5341**.

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:

Please send your application, including CV, letter of motivation, copies of certificates (uni degrees) and three references, to our **Recruiting Team** (jobs@ipk-gatersleben.de) until **31st of March, 2019** citing the reference number **06/01/19**. We are looking forward to receiving your [online-application](http://www.ipk-gatersleben.de/en/job-offers/) (<http://www.ipk-gatersleben.de/en/job-offers/>). If you have questions or require more information, please do contact us using the reference number in your correspondence.