PhD Student in Applied Chromosome Biology (f/m)

The research group **Applied Chromosome Biology** investigates the molecular mechanisms establishing chromatin modifications and their impact on plant development and evolution, with the ultimate aim to apply this knowledge on crop improvement. Our main model is *Arabidopsis thaliana*, but we work as well on crop plants, such as barley and wheat.

**Your tasks:**
- The project aims to elucidate the mechanism of heterochromatic silencing in plants.
- You are going to identify the proteins establishing heterochromatic silencing in plants.
- You are going to identify the role of heterochromatic silencing in plant development.
- The project will involve a combination of molecular genetics and epigenome profiling.

**Your qualifications and skills:**
- Applicants should have a master degree in plant biology, biochemistry, genetics or related field.
- Applicants should have a background in molecular biology and epigenetics; skills and interest in bioinformatics are a strong asset but not essential.
- Applicants should be fluent in written and spoken English.

**You fit to us:**
- If you are a bright, highly motivated, and enthusiastic person.
- If you are interested in plant genetics and epigenetics. Candidates with a strong interest in epigenetics are especially encouraged to apply.
- If you have good communication skills.
- If you have the ability to work independently, as well as part of a team.

**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.
- Collegial working atmosphere.
- An employment, which is limited for 36 months and starts at September 1st, 2018.
- Gross salary will be up to 50% E13 TV-L.

If you need further information, feel free to contact **Prof. Dr. Hua Jiang** (jiangh@ipk-gatersleben.de) Tel.: +49 (0)39482 5875.

**What you need to know:**
Everyone – independent from gender, sexual orientation, age, origin or a 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. The IPK has set itself the goal to employ more disabled people. 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 August 17th, 2018. If you have questions or require more information, please do contact **Ms. Jacobi** (jobs@ipk-gatersleben.de). Please indicate the reference number **58/07/18** in your correspondence.