Postdoctoral position available to study

The role of chromatin in environmental stress memory
Bäurle lab, University of Potsdam

The Bäurle lab studies the long-term adaptation of plants to abiotic stress and the roles of epigenetic and chromatin regulation in this process using genetic and molecular tools (see https://baurlelab.wordpress.com/).

We have recently shown that histone methylation and nucleosome positioning play crucial roles in the adaptation of plants to recurring heat stress (Lämke et al. (2016) EMBO J; Brzezinka, Altmann et al. (2016) eLife). The aim of the advertised project is to build on these findings to gain a mechanistic understanding of the role of chromatin during heat stress memory in the model plant Arabidopsis thaliana. To this end, the successful candidate will employ state of the art molecular biological, biochemical and (epi-)genomic approaches. The Potsdam/Berlin area provides a vibrant scientific environment for molecular plant research and we have a number of links with other labs and institutions in the region, e.g. through the DFG-funded Collaborative Research Center 973. The Potsdam/Berlin area is renowned for its high quality of life.

The position is funded (according to TV-L E13, full time) by an ERC Consolidator Grant initially for two years with a possibility of extension: The successful candidate holds a PhD in biochemistry or molecular biology and is expected to have a proven track record in molecular biology, biochemistry or genetics, including publication(s) in major international journals. A demonstrated aptitude in chromatin biology or next generation sequencing methods is essential. A strong interest in the research question, flexibility, and the ability to work both independently and in a team are required. The working language of the laboratory is English.

To apply please send your application including Curriculum Vitae, a copy of your degree certificate, a letter detailing your motivation to apply for this position, and contact information for two referees to Isabel Bäurle (isabel.baeurle@uni-potsdam.de). Applications will be accepted until the position is filled.