Research Assistant Positions in Molecular Genetic Regulation of Floral Transition

Job offer from Nov 12, 2015

The research group “Genetics and molecular adaptation of Plants” (headed by Dr. Jinyong Hu) aims at dissecting the molecular genetic basis of how plants adapt to ever-changing environments by using model and non-model plants. The group is supported by “CAS Pioneer Hundred Talents Program” and hosted by Kunming Institute of Botany, Chinese Academy of Sciences. See http://groups.english.kib.cas.cn/klpb/hjy/ for more information.

We invite highly motivated applicants for two research assistant positions.

One applicant will focus on dissecting the molecular genetic networks underlining continuous flowering of non-model plants. (S)he will explore genetic, molecular and informatics tools to study the genetic bases of continuous flowering, compare these findings to model species like Arabidopsis and rice, generate new hypothesis based on gene expression data via high throughput sequencing technology, and test hypothesis using various techniques.

The second applicant will study how hormones-related transcription factors control the timing of floral transition in both Arabidopsis and rice as well related crops. The successful applicant will apply developmental genetics, -omics and molecular methods to reveal the molecular mechanisms by which key hormone-related transcription factors regulate the balance of protein complexes to control the flowering time in plants.

The successful candidates should have a PhD in molecular genetics, developmental biology or related fields with solid experimental skills in genetics and molecular biology. A strong background in protein interaction assays and/or chromatin immuno-precipitation followed by high-throughput sequencing is an asset. Knowledge and practical experiences in molecular biology of rice, or experiences in QTL and positional cloning is a plus. The successful candidate needs to have a proven scientific track record (minimum one first-author publications). Strong collaboration skills and good English in oral and writing are necessary for both positions.

For detailed information or applying, please contact: Dr. Jinyong Hu, Kunming Institute of Botany, Chinese Academy of Sciences, 132# Lanhei Road, Heilongtan, Kunming 650201, Yunnan, P. R. China; or: hujinyong@mail.kib.ac.cn.