

Assistant or Associate Researcher positions available in Peking University IAAS

Two Assistant or Associate Researcher positions are immediately available at Institute of Advanced Agricultural Sciences of Peking University (PKU-IAAS). The successful candidates will be joining the lab of plant genomics and synthetic biology (<http://www.guo-lab.site/>). We use both model (Arabidopsis and Nicotiana) and crop (vegetable and fruit) plants to understand the genome architecture, gene regulatory mechanisms underlying plant growth, natural product biosynthesis, to inform crop improvement and metabolic engineering.

Job Description

The successful applicants will conduct innovative research in plant genomics and bioinformatics, and mentor graduate students in the lab. You will develop and apply computational tools to process and analyze high-throughput sequencing data of plants, including but not limited to genome assembly, pan-genome analysis, and other multi-omics analysis. Ideal candidates are expected to interact closely with experimental biologists in a multidisciplinary environment. You are also expected to prepare manuscripts for publication, and present research findings in national or international conference.

Job Requirement

The candidates should be creative and highly motivated with a Ph.D in molecular biology, bioinformatics, computational biology, computer science, biostatistics or a related field. The successful applicant should have a track of record in scientific publications, and be familiar with algorithms and data structures, and proficient in at least one programming language (e.g. Perl, Python, C/C++, Java, R). Proven experience in analyzing NGS and/or long-read data for genome assembly and annotation, comparative genomics, omics profiling (e.g. RNAseq, CHIP-seq, ATAC-seq etc.) is required. Experiences with plants or bioinformatic software development is desired but not required. The ability to work in an environment at the interface of biology and computer science, in addition to good communication skills, is essential. Knowledge of life sciences and a strong interest in solving biological questions would be advantageous.

To Apply

Applicants should send a letter of intent and a CV including the names, affiliations and contact information of two references to Prof. Li Guo (li.guo@pku-iaas.edu.cn). The screening of applicants starts from Dec. 1st 2023 and the positions remain open until filled. The initial contract is for a duration of three years with the possibility for extension. We provide competitive salary and benefits commensurate with experience, as well as supporting environment for career growth. Informal inquiry about the job is welcome.

About PKU-IAAS

PKU-IAAS is located at Xiashan Economic and Ecological District of Weifang city, Shandong Province, China. The city of Weifang, famous for its agriculture and kites, is located in central Shandong Peninsula, about one hour drive to Qingdao Jiaodong International Airport.