Research Scientist Positions on Environmental Microbiology at BGI-Research

Institute of Metagenomics at BGI-Research has several research scientist positions at the area of environmental microbiology. The candidates will work with Dr. Zewei Song at the lab of Environmental Ecology on various projects from forest ecology to agricultural management at BGI-Research located at the China National GeneBank (CNGB) at Shenzhen, China.

Institute of Metagenomics currently have long term collaborations with University of Minnesota, Twin Cities, University of Ljubljana, Chinese Academy of Sciences, and Chinese Academy of Agricultural Sciences. The goal of BGI-Research is to conduct long-term and large-scale studies related with environmental microbial communities, including natural and manmade ecosystems. Ongoing projects have covered a wide range of area from the vertical structure of rainforest canopy, to the influence of plant diversity, to novel method of agricultural management. At the same time, BGI-Research is also focusing on developing novel sequencing techniques, largely based on the BGISEQ platform.

**Description of duties:**
The main duty of the candidates is to maintain the progress of research projects. The candidate also has opportunities to take part in developing new sequencing techniques, especially for metagenomics. Potential tasks include, but not limit to:

1. Coordinate with collaborators on the progress of research projects. This include the coordination on study plan, sample transportation, bioinformatics, and stuff exchange. Short term travel to the site of collaborators is possible.
2. Analyze microbiome data with scientific outcomes. This include the analysis of amplicon and metagenomics sequencing data, various bioinformatics on community composition and function, as well as writing manuscripts for high tier peer review journals.
3. Participate in developing novel bioinformatic and sequencing tools for metagenomics. This includes moderate programing, discussing with scientists from other institutes, and some lab work.

**Required skills:**
We are looking for candidates with comprehensive research experience at the field of environmental microbiology, molecular ecology, or any area related with the study of microbial communities focusing on non-human objects.

1. Experience on environmental microbiology with sequencing as a main study tool.
2. Prominent publication record.
3. Experienced on analyzing microbial data using various tools in R and/or Python (or other languages).
4. Capability of programing is preferred.
5. Experience of lab work (include basic molecular experiment) is preferred.
6. Good communication skills and fluence in English.

Interested candidates may contact Dr. Zewei Song or our HR Ma Yongchao for details, or an arrangement for interview. Candidates near Shenzhen are welcome to take a field trip at CNGB at the time of convenient.
Zewei Song
songzewei@genomics.cn or songzewei@outlook.com

Ma Yongchao
mayongchao@genomics.cn

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宋泽伟 Zewei Song
华大生命科学研究院 宏基因组研究所 环境生态实验室
BGI-Shenzhen Institute of Metagenomics
Lab of Environmental Ecology
电话 Tel: +86 13632929180
邮件 Email: songzewei@genomics.cn
邮件 Email: songzewei@outlook.com