

Research, Informatics and Graduate Studies

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Research Fellow/Postdoc Position in Environmental DOM Biogeochemistry Lab (RF-2018008)

Description

The Environmental DOM Biogeochemistry Lab is looking for an enthusiastic, self-motivated and competent postdoc researcher to conduct experimental research projects in the area of dissolved organic matter (DOM) dynamics in the aquatic environments. The successful candidate will pursue his/her own research within the field and also work in a team of students and researchers. Contract duration: 1 year.

Project Details

Our lab is interested in the studies of DOM sources, transformations, and dynamics in diverse aquatic as well as sediment and soil environments, utilizing various cutting-edge advanced techniques such as 3D fluorescence excitation emission matrix coupled with parallel factor analysis (EEM-PARAFAC) and high-resolution Fourier transform ion cyclotron resonance mass spectrometry (FT-ICR-MS). We plan to integrate with chemometrics approach to investigate DOM characteristics and dynamics in the environments.

Keywords

Dissolved organic matter • Biogeochemistry • Aquatic ecosystem • Sediment • River and lake • Wetland • Coastal estuarine • Ocean • Surface water • Groundwater • Porewater • Photochemistry • Bioincubation • Benthic flux • EEM-PARAFAC • FTICR-MS • Trophic level • Algal bloom • Water quality • Climate change

Selection Criteria

- PhD degree (or equivalent) in Biogeochemistry or Environmental Science (essential)
- Strong background in DOM research (preferable)
- Vast experiences in using advanced optical and MS instruments and large-scale data analysis (essential)
- Familiar with softwares such as MatLab and ArcGIS. Strong computing skills (preferable)
- Strong interest to work overseas in China, Israel, and Korea (essential)
- Good communication skills and fluent oral and written English (essential)
- Ability to work both independently and in a team environment (essential)
- Ability to author scientific reports and co-author scientific publications (essential)
- Willingness to participate in other research projects (essential)
- Published or will publish 3 or more impactful international journal papers from the PhD studies (essential)

Benefits

Program

Environmental Science and Engineering Research Group

Research Area

dissolved organic matter (DOM) dynamics in the aquatic environments

Contacts

Dr. Meilian Chen

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[Webpage Link](#)

Application Deadline

Open till filled

Date Posted

April 12, 2018

- Salary range: up to \$49,000 / year (depending on qualifications of the candidate)
- Subsidized housing at Guangdong Technion at Shantou of China
- Health insurance: regular cover for Chinese citizens or private health insurance for foreigners
- Professional conference travel allowance

Application

- Application deadline: **open till filled**

- Send below required documents electronically to: chen.meilian@gtiit.edu.cn

1. Curriculum vitae and personal statements
2. A publication list
3. Three letters of recommendation (one from the mentor for PhD and/or Master's studies)
4. A short research plan outline (up to one page in length)
5. Degree certificates with certified English translation for both the PhD and Master's degrees