

Research, Innovation 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)

Position

Research Fellow (Postdoctorate)

Program

Environmental Engineering Program

Research Area

dissolved organic matter (DOM) dynamics in the aquatic environments

Contacts

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[Webpage Link](#)

Application Deadline

Open till filled

Date Posted

April 12, 2018

Benefits

- 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