

Research, Informatics and Graduate Studies

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Research Fellow Position in Synthetic Biology and Green Manufacturing (RF-2022003) – Group of Assoc. Prof. Peng Xu

The Chemical Engineering Program (group of Xu) is looking for 2~3 scientist(s) to lead innovative research projects in Synthetic Biology and Green Manufacturing related to yeast metabolic engineering and biocatalysis. Contract duration: 3 years.

Project Details

Highly experienced research scientists with genetic engineering or applied microbiology training are encouraged to apply for this position. Candidates will work on C1 (formate/methanol) or C2 (ethanol/acetic acids) feedstock bioconversion, and upgrade low-cost biowaste into value-added compounds. Candidates will also build efficient yeast engineering platform to produce nutraceuticals. Past experience on biosensors, analytical tools, fermentation, genome reduction or genome engineering are preferred.

Keywords

Metabolic engineering, Genetic Engineering, Green manufacturing, Biochemical Engineering, Synthetic biology, Biocatalysis, Microbial cell factory, Fermentation, Applied Microbiology, Food Biotechnology

Selection Criteria

- PhD in Biochemical engineering, fermentation or microbiology, Food biotechnology or MS. Degree (with 2+years working experience) in Biochemical engineering, fermentation or microbiology, Food biotechnology
- Previous training in genetic engineering, molecular biology and biochemistry (essential)
- Strong interest in developing yeast microbial cell factories (essential)
- Strong interest in biochemical kinetics and bioprocess modeling (preferred)
- Good communication and writing skills, good command of English (essential)
- Ability to work independently as well as in a team environment (essential)

Benefits

Total annual salary: RMB 330,000 up / year (depending on qualifications of the candidate, including government subsidy)

Extra benefit:

- housing at GTIIT, China (Rental paid by candidate)
- Kid schooling fee subsidized or qualified kids can enroll in GTIIT AIS
- Annual health check
- Professional conference travel allowance
- Professional assistance offered to apply for Talent fund and Research fund
- Qualified candidate can receive RMB 140,000 living subsidy
- Work life balance
- World class Faculty team mentoring,
- Advanced lab equipment and devices

Application

Program

Chemical Engineering

Contact

Assoc. Prof. Peng Xu

Email: peng.xu@gtiit.edu.cn

[GTIIT faculty profile](#)

Application Deadline

Before March 15th 2023

Date posted

November 21, 2022

Location

Guangdong Technion – Israel Institute of Technology (GTIIT), China & Technion-Israel Institute of Technology, Israel.

- Application deadline: Before March 15th 2023
- Send below required documents electronically to: peng.xu@gtiit.edu.cn

1. Curriculum vitae
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, Chinese or English)
5. Degree certificates

Contacts

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