

### Research Fellow at NUS FST

There is an opening for a Research Fellow in Prof. Zhou Weibiao's research group at the Department of Food Science and Technology, National University of Singapore. The candidate is expected to work under the supervision of the principal investigator to develop cutting-edge biosensing strategies against microbial contamination in cellular agriculture. Details of the position are as follows:-

**Position:** Research Fellow

**Principal Investigator:** Prof. Zhou Weibiao

**Educational Qualifications:** PhD in food science and technology or a closely related field such as biotechnology or microbiology.

**Skills:**

Required -

- i. Development of rapid detection methods for bacterial pathogens such as STECs, *Listeria* and *Salmonella*
- ii. Experience in analytical methods such as HPLC, flow cytometry, SEM & CLSM.
- iii. Molecular biology techniques, e.g. DNA & RNA extraction, whole genome sequencing and next generation sequencing
- iv. Excellent scientific communication skills - manuscript writing, oral presentation
- v. Passion in training and mentoring junior researchers
- vi. Capability of demonstrating original scientific thought
- vii. Ability to meet tight deadlines

Desired -

- i. Culturing of mammalian cell lines
- ii. Development of biosensors or functional surfaces
- iii. Technology scale-up and translation
- iv. Working in and leading multidisciplinary and multicultural research teams

**Contract:** 1 year, renewable, subject to candidate performance & project progress

**Salary:** 5,000 - 6,500 S\$/month, including medical insurance and CPF

**Start Date:** 1<sup>st</sup> October, 2023.

Interested applicants should send a cover letter, CV and list of publications to Dr. Vinayak Ghate at [fstvg@nus.edu.sg](mailto:fstvg@nus.edu.sg).