

## JOB DESCRIPTION

### Research Fellow (CellAg)

The **Translational Materials Innovation Group (TMiG)**, led by **Professor Nam-Joon Cho**, is a world-leading multidisciplinary research group with expertise in biomimetic lipid membranes, membrane-active compounds, antibacterial and antiviral mitigation, and plant-based biomaterials. We are looking to hire a high-calibre Research Fellow to work under the Principal Investigator on the development of novel lipid nanoparticles for drug delivery applications. The project starting date is between March to April 2023.

#### Roles and Responsibilities

- Design novel non-antibiotic antibacterial mitigation strategies based on peptides and glycans
- Conduct cell culture-based antibacterial testing for newly formulated peptide- and glycan-based mitigants
- Assist in interpreting and applying processes and procedures to conduct/monitor project progress
- Gather data and prepare documents for internal reporting and peer-review publications
- Assist in conducting training and coaching of new members and equipping them with the relevant laboratory/technical skills
- Collect and prepare data/information/proposal required for relevant grant call process

#### Job Requirements

- Ph.D. in Chemistry/Chemical Engineering/Biology/Bioengineering/Materials Science
- Strong experimental skills related to the formulation of peptides and glycans for antibacterial applications and bacterial cell culture
- Knowledge and experience on cellular agriculture production processes are highly advantageous
- Possess excellent communication and organizational skills and able to meet tight deadlines
- Able to work independently to gather information/data and prepare documents for reporting/papers
- Willing to contribute team to services like sharing/coaching new members with relevant laboratory/technical skills

We offer a highly competitive remuneration package, which commensurate with experience. If you are interested in this position, please send a cover letter, an up-to-date CV, and contact information of at least three references with their names and contact information to [choresearchgroup.ntu@gmail.com](mailto:choresearchgroup.ntu@gmail.com). We regret that only shortlisted candidate will be notified.

**Application Deadline: 31 January 2023**

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