

JOB DESCRIPTION

Research Fellow (Lipid Nanoparticles)

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 and perform lipid nanoparticle formulation, characterization and conduct experiments related to nanoencapsulation and drug delivery
- 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 Biology/Neuroscience/Bioengineering/Materials Science/Chemistry
- Strong experimental skills related to lipid nanoparticle formulation, cell culture and primary neuron culture, and associated methods
- Experience and proficiency in microfluidics 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. We regret that only shortlisted candidate will be notified.

Application Deadline: 31 January 2023

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