

## **Research Fellow Position in Polymer electrolyte Solid-State Battery**

### **Position Description:**

A research fellow position is available at the Surface and Interface Lab (Prof. CHEN WEI's group), National University of Singapore. Prof. Chen Wei's group is looking for one high-caliber Research Fellow with expertise/interest in the following area: the synthesis of advanced polymer solid-state electrolyte, the study of ion conduction mechanisms within the electrolyte and the investigation of interfaces in polymer electrolyte-based solid-state batteries

The selected candidate will work together with a team comprising experts in interfacial analysis about Li metal batteries and reaction mechanism study using home-made interface characterization tools.

The research project focuses on engineering the electrolyte-electrode interfaces in all-solid-state batteries.

### **Position Requirements:**

- PhD in chemistry or physics of battery-related fields Substantial experience and strong experimental skills in solid-state electrolyte materials synthesis, interfacial analysis, Li metal batteries.
- Excellent English writing and communication skill, team management skill (help PI to lead a small research team with 1-2 PhD/master students)
- High motivation to solve scientific and practical/instrumental challenges

### **Preferred Qualifications:**

- Research background in solid-state battery, polymer electrolyte, interfacial analysis.
- Experience in solid-state electrolyte materials synthesis, Li metal batteries, structural characterizations.

### **Recruitment package:**

- 1-year initial contract, which can be further extended to 2 more years subject to performance
- Salary of 69,000-80,000 S\$/year subject to the candidate experience
- With medical insurance and an annual performance bonus

### **Position is available from Oct 2024 onwards**

**Application Deadline:** 31<sup>st</sup> Aug 2024

Interested candidates should send your detailed CV to Prof. Chen Wei ([chmcw@nus.edu.sg](mailto:chmcw@nus.edu.sg)) with “**Research Fellow Position in Solid State Battery**” in the subject heading.



Professor CHEN Wei is currently a Provost's Chair Professor in both the Chemistry Department and Physics Department at the National University of Singapore (NUS), and the Associate Dean for Research in Faculty of Science, NUS. He received his Bachelor degree in Chemistry from Nanjing University (China) in 2001 and his PhD degree from the Chemistry Department at NUS in 2004. His current research interests include molecular-scale interface engineering for 2D materials based electronics and optoelectronics, and interface-controlled nanocatalysis for energy and environmental research. Prof. Chen is a recipient of Singapore Young Scientist Award (2012), Mitsui Chemicals-SNIC Industry Award (2020), NRF Investigatorship (2023), Provost's Chair Professor (2023) and the Highly Cited Researcher by Clarivate (2017, 2018, 2019, 2021, 2023).

Professor CHEN WEI

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