

Research Scientist / Research Fellow

Who are we?

We are a group of researchers from the NUS, NTU and the University of Berkeley (BEARS) and University of Cambridge (CARES) presence in Singapore. Our team comprises of world-class scientists and engineers working in a vibrant, fast-paced environment with great opportunities for knowledge and skills development. We are participating in a new research project "A table top chemical factory for the reduction of CO₂ to chemicals", funded by the National Research Foundation of Singapore.

Who are we looking for?

We are looking to fill a vacancy of a research fellow to work on the design of electrodes and electrochemical cells for the scaled up conversion of carbon dioxide (CO₂) to fuels and chemical feedstock. This will involve working closely with a team that is developing downstream production separation, developing specification of a table top factory, developing its automation and control system, working on the liquid and gaseous products separation, integrating analytical instruments into the reactor system, developing process data storage and analysis solution.

What skills do you have?

You would ideally have a background in physics / chemistry / chemical engineering with expertise in electrochemistry. You should be familiar with the preparation and use of gas diffusion electrodes for CO₂ reduction and design of scaled-up electrochemical cells.

What can we offer you?

- A stimulating working-environment with friendly, highly motivated colleagues.
- Opportunities to develop and implement new ideas in a creative environment.
- A competitive salary in line with your skills and experience.
- A one-year contract in the first instance, extendable following satisfactory performance.
- A comprehensive medical insurance cover as part of your employment.

Please note this post is mainly based in the CREATE Tower at NUS University Town, Singapore and is likely to be suitable for recent graduates.

How to apply?

The position is available from January 2018.

Please send your CV and cover letter (summarizing the most relevant skills and experience that you have for the position) to Dr. Boon Siang Yeo (chmyeos@nus.edu.sg)