

## **Opportunities**

The candidate will work at the Centre for Advanced 2D Materials (CA2DM) at the National University of Singapore. CA2DM has been created for the conception, characterization, theoretical modeling, and development of transformative technologies based on two-dimensional crystals, such as graphene. Aimed at being a world leader in innovative and emergent materials science, with strong ties to the industry and academia, the Centre will directly contribute to a new generation of scientists and engineers who will have a permanent impact in the society and business enterprise landscape of Singapore, and worldwide. The candidate will have plenty of opportunities to interact with experienced individuals in fields ranging from electrical engineering, material science to physics, chemistry and biology working with state of the art equipment and facilities.

## **Job Description**

The role is within Research & Development of industrial prototype for new separation media and devices using 2D materials. This includes data interpretation and development of new products and systems. The position requires a proactive individual who can work in a multidisciplinary team focused on industrial applications of graphene and 2D materials.

## **Job Requirements**

Candidates must hold a PhD Degree in Science and Engineering related areas with relevant practical experience in the biofuels industry business. The candidate should have:

- Practical experience in the following areas: filtration systems, biofuels production and purification, as well as, separation processes for liquids
- Practical experience in biofuels industry and laboratory
- Rigor, strong work discipline, motivation and innovation mindset, initiative taking and punctual reliable with ability to meet tight deadlines
- Scientific insight with capacity to enable results and provides expertise during technical assistance
- Be proactive in seeking out information relevant to the work and discussing issues and problems
- Knowledge in membranes characterization techniques
- Experience in presenting scientific information at technical reviews with the ability to tailor the content accordingly
- Ability to shape and drive a research agenda to deliver technical and business benefits

## **Application Procedure**

The formal application should be submitted by e-mail to: [c2dgcja@nus.edu.sg](mailto:c2dgcja@nus.edu.sg)

E-mail submissions must include:

- Cover letter
- Curriculum vitae
- The contact details of three potential references

Potential candidates will be contacted by phone and invited for an interview.