Research Assistant in Industrial Development Laboratory (1 position) – full time job

Centre for Advanced 2D Materials at National University of Singapore (CA2DM-NUS), 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.

The role is within Research & Development of new filtration media and devices using graphene and/or graphene oxide requiring the application of knowledge in preparation and evaluation. This includes data interpretation and methodologies development to provide new products and prototypes. The position requires a proactive individual who can work in a multidisciplinary team focused on industrial applications of graphene.

Key Skills, Experience, Qualifications and Requirements:

- Practical experience in one or several of the following areas: handling filtration systems, polymer composites, materials characterization methods, quality control of new fabrication processes and samples, methodologies applicable for filtration and microfiltration development;
- 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;
- Bachelor/Technical Degree in Science and Engineering related areas with relevant experimental and practical experience;
• 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.

We offer an attractive and dynamic international working environment with opportunities for professional development. If you are interested in joining our Industrial Development Laboratory at CA2DM-NUS please, send your application including full curriculum vitae to Alan Pereira Kauling (c2dapk@nus.edu.sg).

*Selected candidates will receive invitation for interview by email.