



Application Chemist

Who are we?

We are the University of Cambridge presence in Singapore called Cambridge CARES, sponsored by the NRF CREATE program CAM.CREATE. CARES also hosts industry-funded and other agencies funded projects. Our team is comprised of world-class scientists and engineers working in a vibrant, fast-paced environment with great opportunities for knowledge and skills development.

CARES is a partner in the AMPLE project (An Accelerated Manufacturing Platform for Engineered Nanomaterials), aiming to build a state-of-the-art pilot facility for rapidly scaling-up nanomaterial production, building upon recent innovations at CARES in the areas of reactor design, machine learning and automation. This two-year project started in 2022 and will lead to commercialization through CARES' spinoff company Accelerated Materials Ltd.

Who are we looking for?

We are seeking a detail-oriented Application Chemist to join our team in the AMPLE project. The Application Chemist will play a crucial role in supporting our product development and industrial collaboration efforts by applying their expertise in inorganic and materials chemistry to develop, optimize, and troubleshoot applications for our products across various industries. This position requires a strong scientific background in nanotechnology, materials science, laboratory-based synthesis, wet chemistry, excellent problem-solving skills, and the ability to communicate technical information effectively.

Key Responsibilities:

- Develop, optimize, and validate applications for our products in collaboration with the R&D and business teams.
- Conduct experiments and analyze data to understand product performance and application feasibility.
- Report defects or issues with products and work with production teams to resolve them
- Document results and communicate any issues or concerns to management
- Analyze data and provide feedback for process improvements
- Help to develop quality control and synthesis methods and documentation

Qualifications:

- Bachelor's or Master's degree in Chemistry or materials chemistry preferred
- Knowledge of chemical safety procedures and guidelines
- Strong analytical skills and proficiency in various laboratory techniques and instrumentation.

- Familiarity with materials analysis tools, such as UV-vis, Raman, DLS, XRD, SEM.
- Familiarity with the coatings and/or pharmaceutical industry.
- Strong attention to detail and ability to maintain accurate records
- Excellent communication and interpersonal skills
- Ability to work independently and as part of a team
- Ability to use basic computer software, including Microsoft Office and data entry programs. Python scripting knowledge is a plus.

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 a satisfactory performance.
- A comprehensive medical insurance coverage as part of your employment.

Please note this post is mainly based in the CREATE Tower at NUS University Town, Singapore.

How to apply?

Please apply by uploading your CV and academic transcript to <https://talent.sage.hr/jobs/d9a4f506-2c66-4e09-861b-eb179e57848f>. If you have any questions, please feel free to reach out to the HR team at recruitment@cares.cam.ac.uk.