

Vacancy

TECHNOLOGY CENTRE – SAVANNAH, GEORGIA

Electron Microscopy Specialist

Johnson Matthey, a FTSE 100 company, is a global leader in sustainable technologies specialising in catalysis, precious metal products, chemicals and process technology. With operations in over 30 countries, we employ more than 13,000 people. Johnson Matthey uses science to make the world cleaner and healthier. Over the past two centuries we have built our reputation and place as a global leader through quality, integrity, and innovation. Today, more than 93% of the group's sales come from products and services which provide sustainability benefits through the positive impact they have on the environment, resource efficiency and human health.

Johnson Matthey is seeking a Research Scientist, specialising in Electron Microscopy to join the Technology Centre at Savannah, Georgia. The candidate is expected to work primarily on the characterization of nanomaterials using conventional and aberration-corrected transmission electron microscopy and scanning-transmission electron microscopy.

The successful candidate is expected to have PhD Level expertise in several of the following areas:

- SEM and S/TEM Characterisation methods: (HRTEM; HAADF; EDX; EELS; Electron diffraction analysis)
- SEM and TEM sample preparation: (cross section TEM sample preparation, Ultramicrotomy, resin embedding polishing and Coating;)
- TEM and STEM image analysis and simulation tools (Digital Micrograph scripting, EMS simulations, HAADF simulations etc)
- Experience of XRD and crystallographic analysis would be an advantage

The job is based on analysis and interpretation of a variety of samples from our research groups and various divisions, thus prior exposure to multidisciplinary subjects as well as catalysis and materials would be an advantage. The person is also expected to apply and develop electron microscopy techniques customised for JM materials as well as developing research projects with other industrial/academic/governmental partners.

Some domestic and international (U.K.) travel will be required

Applications must be made in writing with full CV and current salary details to: Dean Papougenis, Personnel Officer, Johnson Matthey 115 Eli Whitney Boulevard. Savannah, GA 31408 or e-mail dean.papougenis@jmus.com