# VACANCY

 **JOHNSON MATTHEY CATALYSTS- SAVANNAH, GEORGIA**

## Electron Microscopy Specialist

Johnson Matthey PLC is a world leader in advanced materials and catalyst technology with more than 12000 employees worldwide. Johnson Matthey has an electron microscopy facility based in Savannah Georgia.

A research scientist position, specializing in electron microscopy has become available in this facility. The job holder will work to provide a research grade characterization capability with both scanning and transmission electron microscopes to analyze JM catalysts and materials.

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)

Aberration corrected S(TEM) experience

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)

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 catalysts, zeolites and functional materials would be an advantage. The person is also expected to apply and develop electron microscopy techniques customized for JM materials as well as developing research projects with other industrial/academic/governmental partners. The job requires the candidate to have a strong ability to work on his/her own initiative and an ability to work with minimal supervision.

The successful candidate will be educated to minimum PhD level.

Applications must be made in writing with full CV and current salary details to: Ginger Faulkener, Personnel Officer, Johnson Matthey115 Eli Whitney Boulevard

Savannah, GA 31408 or e-mail Ginger.Faulconer@matthey.com

Closing date for applications: 30th June 2017