**VACANCY: Research Scientist -Electron Microscopist (Ref:H10)**

**LOCATION: Sonning Common**

**SALARY: Competitive**

Johnson Matthey PLC is a leading international FTSE 100 speciality chemicals company and a world leader in advanced materials technology. It has operations in over 30 countries and employs around 11,000 people. The Technology Centre, based at Sonning Common, undertakes research work for the group.

A permanent opportunity has arisen for an electron microscopy position specialising in focussed ion beam (FIB) microscopy to enhance the capability in our existing team.

**Key responsibilities:**

* To operate FIB in partner facilities and take responsibility for the FIB effort in JM
* Use of scanning electron microscope (SEM), scanning transmission electron microscope, (S/TEM) and our new aberration corrected electron microscope (AC-S/TEM) to characterise JM catalysts and materials.
* To develop and apply bespoke electron microscopy techniques customised for JM materials as well as contributing to collaborative research projects with other industrial, academic, or governmental partners.
* Maintain and help develop EHS standards and procedures in EM operation and preparation.

**Are you the ideal candidate?**

**You will have:**

PhD Level or equivalent expertise in several of the following areas:

* Operation of FIB instrumentation: TEM lamella preparation, acquisition of FIB tomograms.
* Quantitative analysis of three dimensional data (either FIB data or µ-CT data).
* Programming or scripting experience: Python, Java and / or C#/C++.
* Experience in SEM and TEM characterization methods (AC-STEM; HRTEM; HAADF; EDX; EELS; Electron diffraction analysis) would have a distinct advantage.
* Exposure to multidisciplinary subjects as well as catalysis and materials.
* Excellent verbal, written and new media communications to provide new insight and stimulation to our research areas.

We offer a competitive package including, amongst other benefits, a company pension scheme, 25 days annual leave, medical benefits and after a qualifying period, a share incentive plan. All employees are encouraged to further their personal development through training and education by the Company.

**How to apply:**

If you would like to be considered for this position, please apply online with your CV and covering letter.

**Closing date for applications: Friday, 7th July 2017**

Johnson Matthey Plc is an equal opportunities employer and positively encourages applications from suitably qualified and eligible candidates regardless of sex, race, disability, age, sexual orientation, marriage or civil partnership, pregnancy or maternity, religion or belief.