

The IFG Institute for Scientific Instruments GmbH. is one of the leading technology providers for X-Ray capillary optics and X-Ray devices for material research, photovoltaic, environment, geology and biology. Further information can be found at <http://www.ifg-adlershof.de>. The X-ray Color Camera Project group is currently involved in setting up a High-speed PIXE detection system for geological samples. To enforce our team we invite applications for an

### **Experienced Researcher (m/f)**

### **Fellowship within Marie-Curie Initial Training Network (ITN)**

starting at 01.06.2013. The initial appointment will be a two-years contract at Berlin, Institute for Scientific Instruments. The standard rates for Marie Curie Experienced Researchers 5 years of experience apply. The gross salary for this post will be €58,500 per annum. In addition a monthly mobility allowance of €700 is payable for researchers without a family and € 1000 for those with a family. Further information can be found here:  
<http://ec.europa.eu/research/participants/portal/page/people?callIdentifier=FP7-PEOPLE-2012-ITN>

### **Requirements:**

- Doctoral degree in Physics or Informatics or full-time equivalent research experience.
- Good computing skills (C++/Qt).
- Basic experience with X-Ray Fluorescence analysis and/or PIXE is important.
- Interest in experimental work within a strong international cooperation.

### **Special Conditions:**

Applicants must satisfy the Marie-Curie 'Experienced Researcher' eligibility criteria and so should have no more than 5 years research experience (including their PhD studies). Owing to EU "mobility" regulations, applications **cannot** be considered from researchers who have resided or carried out his/her main activity (work, studies, etc) in the country of his/her host organisation for more than 12 months in the 3 years immediately prior to his/her recruitment (Short stays, such as holidays, are not taken into account). This post is Marie Curie funded for a fixed-term for 24 months.

### **Tasks:**

- Link-up and integration of a novel X-ray Color Camera detection device to a PIXE beamline.
- Enhancement of steering and analysis software (calibration procedures, including of optics and proton excitation).
- Handling and preselection / evaluation of huge data volumes.

The basic working place will be the Institute for Scientific Instruments, Berlin. However, the project work includes obligatory internship periods at the HZDR Ion Beam Center (<http://www.hzdr.de/IBC>) at Dresden-Rossendorf.

Please address your application (cover letter, CV, references) by 30.04.2013 preferably per email to: [info@ifg-adlershof.de](mailto:info@ifg-adlershof.de). Please attach pdf or word data.

For further information, please contact Dr. Oliver Scharf, Tel.: +49 (0)30 6392 6498, email: [scharf@ifg-adlershof.de](mailto:scharf@ifg-adlershof.de)

Women are explicitly invited to apply. Handicapped will be preferred in case of equal qualification.

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