



Vacancy Notice Reg.-No 08E/2007

The Institute of Radiochemistry at the Research Center Dresden-Rossendorf invites applications for a

PhD student (3 years)

available immediately. The salary is according to the German TV-L (50 %).

Requirements:

- Master degree or equivalent in Chemistry, Earth/Environmental Sciences or Physics
- Interest in X-ray absorption spectroscopy (XAS) and Geochemistry
- Good experimental skills (handling of radionuclides in inertgas glovebox)
- High motivation to work in an interdisciplinary, international team
- Good command of English, basics in French and German

Tasks:

Abiotic redox processes in the presence of ferrous iron control the mobility of many metals, metalloids and actinides, and are therefore expected to play a key role for the migration of radionuclides in sediments. In this framework, you will work on the reduction of Pu and Sb by ferrous iron sorbed to or contained by mineral surfaces. Chemical and physical processes associated with redox (e.g. polymerization, nucleation, crystal growth) will be investigated by XAS and SAX (ESRF, Grenoble, France) and by light scattering methods (FZD, Dresden, Germany). Mobility and the willingness to acquire the necessary language skills (English, French, German) are required. In return, we offer a stimulating, international research environment and the possibility to acquire a dual PhD degree of the TU Dresden and the Université de Grenoble.

Please send your application including a CV with reference 08/2007 to

**Forschungszentrum Dresden-Rossendorf
Personnel division
P.O. Box 51 01 19
01314 Dresden, Germany.**

For further information, please contact

Dr. Andreas Scheinost, Tel.: +33 476 88 24 62, Email: <mailto:scheinost@esrf.fr>.

Women and handicapped individuals will be preferred at equal qualification.

More information about the Research Centre Dresden-Rossendorf can be found in the internet under <http://www.fzd.de/>.