

The Helmholtz - Zentrum Dresden - Rossendorf e.V. (HZDR) is a non-profit research organisation and a member of the “Helmholtz Association”. It is jointly funded by German Federal government (90%) and by the state of Saxony (10%). HZDR pursues application-oriented as well as basic research, focussing on the fields of matter, energy, and health. Around 1100 people are employed at HZDR. For additional information please visit: <https://www.hzdr.de>.



The Institute of Resource Ecology is seeking to recruit a

**Post-Doctoral Fellow (m/f) (3 years)
for the project – Towards the Bottom of the Periodic Table (TOP) -
supported by European Research Council**

The position will be available immediately. The employment contract is limited to three years. The salary is based on the collective agreement TVöD-Bund. The place of work is the Rossendorf Beamline (ROBL) at the European Synchrotron (ESRF) in Grenoble, France. The ESRF is an international science facility and is recognised as one of the top research institutions worldwide, welcoming more than 6 500 scientists every year in fields such as biology, medicine, chemistry, earth and environmental sciences, cultural heritage, materials and surface science, and physics.

The Rossendorf Beamline (BM20) is dedicated to actinide science. In the framework of the TOP project, we study the electronic and local structures of *f*-electron systems (lanthanides/actinides) by state-of-the-art experimental methods: EXAFS, XANES, HERFD, RIXS, XES and X-ray diffraction techniques. TOP covers the following areas: synthesis of actinide and lanthanide systems; characterization by laboratory and synchrotron methods; electronic structure calculations. Depending on the candidate’s profile, experience, skills and interest, he/she might work on one or several areas of the TOP project. More information is available on:

<https://www.hzdr.de/db/Cms?pOid=55416&pNid=787>

Requirements:

You should hold a PhD in physics, chemistry or related fields. Very good skills in one of those areas: X-ray instrumentation; synthesis of lanthanides/actinides systems; electronic structure calculations. Previous experience with research related to *f*-electron systems is an advantage.

If you have any questions, please contact Kristina Kvashnina, tel.: +33 476 88 23 67 (email below) or Andreas Scheinost, tel: +33 476 88 24 62 andreas.scheinost@esrf.fr. Kindly submit your completed application (including cover letter and CV) to kristina.kvashnina@esrf.fr by **12 May 2019**.

HZDR is committed to equal opportunity employment and we strongly encourage applications from qualified female candidates. We also carefully consider all applications from candidates with severe disabilities.