As a joint appointment with the Helmholtz Centre Dresden-Rossendorf (HZDR) the following professorship has to be filled at the Faculty of Chemistry and Mineralogy of Leipzig University starting at the earliest possible date: Professorship in Radiochemistry and Radioecology (W2) This Professorship is associated with the position of a Head of the department of Reactive Transport of the HZDR Institute of Resource Ecology at the Leipzig site. The HZDR is a research institution with about 1,500 employees and a member of the Helmholtz Association of German Research Centers. Its interdisciplinary scientific focus is on the research areas of energy, health and matter. The Institute of Resource Ecology works on fundamental and applied questions in the field of radiochemistry and radioecology.

Professorship in Radiochemistry and Radioecology (W2)

City: Leipzig; Starting Date: At the earliest possible; Renumeration: TVöD-Bund; Reference number: 2022/218; Closing date: 02/01/23

Working field
An outstanding personality with internationally recognized achievements as a researcher is required to head the Reactive Transport Department of the HZDR at the Leipzig research site. The position holder will be responsible for an independent research program in the field of Reactive Transport with a focus on nuclear waste disposal. Thematic focuses are:

- Variable surface reactivity (radionuclide sorption, dissolution) of crystalline and other materials
- Migration and retention of dissolved and particulate contaminants
- Experimental flow field analysis (PET-CT) in heterogeneous materials
- Parameter scaling from molecular to macroscopic and development/validation of robust models for reactive transport.

Requirements
Requirements are a university degree in natural sciences, a habilitation or an equivalent graduation in chemistry or mineralogy. Proven competencies in the interdisciplinary context of (bio-)geochemical processes and geomaterials are of particular advantage. In addition, a combination of experimental and numerical approaches is required. Integration and strengthening of ongoing research activities at the Faculty of Chemistry and Mineralogy as well as at the HZDR is expected. At Leipzig University, the research should be closely associated with the main research fields of the faculty. The researcher is expected to be motivated to cooperate closely with the working groups of the faculty, to participate in current and future research networks and to further develop them.

The position holder will also represent the discipline of radiochemistry and radioecology in its full breadth. Active contribution to university teaching and to the training and support of PhD students and young scientists is required. A high level of self-organization and
proven educational skills are required. Experience with academic self-administration and in inter- and transdisciplinary cooperation at a university or non-university institution is desirable.

The prospective holder of the position is expected to be highly interested in continuing existing and establishing new interdisciplinary local, national, and international research contacts. This includes first of all the intensive professional cooperation with the other departments of the institute in Dresden-Rossendorf as well as the close cooperation in the scientific environment in Dresden and Leipzig. Important personality characteristics are excellent social skills and an open, integrative character.

**What We Offer**

The job holder’s rights and obligations are regulated by the SächsHSFG and the Saxon Service Regulations for Higher Education Institutions (DAVOHS). Applicants must meet the requirements of § 58 SächsHSFG.

Leipzig University and the HZDR is committed to gender equality.

Severely disabled persons are encouraged to apply and will be given preference in the case of equal suitability.

Both institutions are certified as family-friendly. The University of Leipzig also has a Dual Career Service. If you have any questions on these or related topics, the Equal Opportunities Officer of the Faculty of Chemistry and Mineralogy (Mr. Zeno Fickenscher, gleichstellung@chemie.uni-leipzig.de) or of the HZDR (Dr. Sandra Hamann, Tel. +49 351 260-3649) as well as the representatives for severely disabled persons at the University of Leipzig (Ms. Carolin Werner, schwerbehindertenvertretung@uni-leipzig.de) and the HZDR (Dr. Frank Bok, Tel. +49 351 260-3551) will be happy to talk to you.

Please apply by 2 January 2022 with the usual documents exclusively via the appointment portal of the University of Leipzig: www.uni-leipzig.de/berufungen.

Leipzig University

Dekan der Fakultät für Chemie und Mineralogie

Professor Dr. Christoph Schneider

If you have any questions, please contact the Director of the Institute of Resource Ecology at HZDR, Prof. Dr. Thorsten Stumpf, Tel. +49 260 3210, E-Mail: t.stumpf@hzdr.de.

Your application documents will also be made available to representatives of the HZDR as part of the joint appointment process. Representatives appointed by HZDR and Leipzig University will participate in the interviews.

**Application**

Please apply by 2 January 2022 with the usual documents exclusively via the appointment portal of the University of Leipzig: www.uni-leipzig.de/berufungen.