



The Paul Scherrer Institute is a centre for multi-disciplinary research and one of the world's leading user laboratories. With its 1300 employees it belongs as an autonomous institution to the Swiss ETH domain and concentrates its activities on solid-state research and materials sciences, elementary particle physics, energy and environmental research as well as biology and medicine.

For (individual sentence) The mission of the Laboratory for Waste Management (LES) is to carry out a comprehensive research and development (R&D) programme in support of Swiss radioactive waste disposal options. In particular, the aim is to be one of the worlds leading Laboratories in the fields of the geochemistry of disposal systems and the transport mechanisms of radionuclides, including geochemical retardation and immobilization.

The geosphere transport modeling group investigates transport processes in repository relevant materials with help of numerical models.

we are looking for a/an

## **Postdoctoral Fellow**

### **in modeling of reactive transport in heterogeneous media**

#### **Your tasks**

Investigations of reactive processes at heterogeneous interfaces with reactive transport codes on high performance computing (HPC) platforms

This includes:

- setup of geochemical models and transport codes
- investigation of the influence of heterogeneity on interface processes
- design calculations for the experimental investigation of such processes

#### **Your profile**

You hold a PhD in physics, chemistry or environmental sciences; preferably you are under the age of 35. You have good skills in modeling with a strong background in mathematics and you are familiar with reactive transport calculations. Working in a multi-disciplinary team is your preferred work style. You are a self-motivated, well organized, creative and enthusiastic team-player who will help to ensure our success in this exciting, dynamically growing field of research. Proficiency in written and oral communication in English is required for this position in an international and interdisciplinary laboratory.

#### **For further information please get in touch with:**

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