

Open Postdoc positions



The **Department of Environmental Geosciences** of the **University of Vienna** is a highly experienced and internationally visible team carrying out research on environmental contaminants, hydrogeology and nanogeosciences. We currently have **two postdoc positions** available, each for a duration of 12 to 18 months:

- 1) Postdoc position on **Nanoparticle transformations in sediments**. This project aims at elucidating the fate and geochemical transformations of metal and metal oxide nanoparticles in redox-sensitive environments. Mesocosm experiments will be employed to obtain a mechanistic understanding of nanoparticle transformation and transport processes as a function of specific hydrochemical characteristics of the sediment.
- 2) Postdoc position on **Fate of nanopesticides (organic & inorganic)**. The transport and fate of both organic and inorganic nanopesticides in soil columns will be investigated in this project. Data and knowledge generated here will improve our understanding of the differences in fate between nanoparticles and conventional pesticides and help inform model development for nanoparticle transport in soils.

The researchers of the department lead the field of nanoparticle analysis, behaviour and fate in the natural environment and develop methodologies for nanoparticle analysis in products (food, cosmetics). The department operates a unique infrastructure to investigate nanoparticulate processes and analyse nanoparticles in complex systems and has access to specialized instrumentation in-house or through intensive collaborations on all levels. Both postdoc positions are embedded within a large EU Project (33 international partners) providing additional opportunities for collaboration.

The applicant should have a PhD in chemistry, geosciences or environmental sciences (or related) and experience with soil/sediment systems and/or in the field of nano-specific physical and chemical analysis and/or environmental chemistry and behaviour of nanomaterials. We are looking for motivated, self-organized candidates who like to work on challenging research questions in an international team and in large collaborative projects with partners across Europe and the US. We expect the successful applicant to be willing to present results at international conferences and to travel for scientific collaborations with project partners as well as for project meetings. Our working language is English.

We offer a modern, well-equipped and comfortable working environment in an international and highly motivated group of scientists from different fields together with a competitive salary. The University of Vienna has a long history in excellent research (founded 1365) and is with almost 100.000 students the largest university in the German-speaking world. The University is an equal opportunity employer and applications of women are highly appreciated.

Applicants may contact Frank von der Kammer (frank.kammer@univie.ac.at) or Antonia Praetorius (antonia.praetorius@univie.ac.at) for further information or directly send in their max. 1-page motivation letter together with a CV and contact details of two references.