

## Post-doctoral position in Environmental Analytical Chemistry

The Department of Aquatic Sciences and Assessment seeks a post-doc in environmental, analytical chemistry with focus on emerging organic pollutants. Our modern lifestyle has led to that the society is using an increasing number of chemicals. These chemicals are emitted and distributed in the environment through human activities and end up unintentionally in streams, lakes, seas, sewage sludge, agricultural fields, food, and drinking water. Exposure to anthropogenic chemicals may lead to human and ecotoxicological disorders ranging from behavioural changes to serious diseases. New chemicals (emerging pollutants) are continuously introduced and detected, and the need for new knowledge is large.

The Department of Aquatic Sciences and Assessment ([www.slu.se/vatten-miljo](http://www.slu.se/vatten-miljo)) is a competence centre for applied environmental science with a national responsibility for monitoring of the environmental status in Swedish lakes and streams. The department is part of a Soil-Water-Environment cluster and has approx. 100 employees among which c:a half are researchers/PhD students and half are technical staff. The research focuses on geochemical and hydrological processes, aquatic ecology and biodiversity, as well as on aquatic ecotoxicology and environmental chemistry.

**Duties:** The successful candidate will develop analytical methods for screening of known and unknown hazardous chemicals in water using advanced mass-spectrometry including LC-MS/MS and LC-TOF-MS. Project components include: (i) development of analytical methods for organic micro-pollutants in water, and (ii) application of these methods to field and experimental samples for improved understanding of the pollutants' sources, transport and fate with focus on water quality.

**Qualifications:** The post-doc is expected to initiate, plan and lead research, write scientific articles, and supervise graduate students. Applicants should hold a PhD degree in environmental chemistry, analytical chemistry or equivalent. Strong skills in analytical chemistry and proficiency in English (spoken and written) is required. Knowledge of and interest in method development, mass spectrometry, multivariate statistical analysis, scientific writing and working in an interdisciplinary environment are valuable merits. The position is full-time for a period of two years, starting as soon as possible.

**Place of work:** Uppsala

**Form of employment:** Temporary employment up to 2 years

**Extent:** 100%

**Starting date:** By agreement

**Application:** We welcome your application marked with **Ref no. SLU ua 2714/2015**.

Please submit your application to the Registrar of SLU, P.O. Box 7070, SE-750 07 Uppsala, Sweden or [registrator@slu.se](mailto:registrator@slu.se) no later than **August 31, 2015**.

Specific documents attached: The application should be written in English. The following documents should be included: (1) CV including a publication list, (2) PhD diploma, (3) a description of previous research, other activities of relevance for the position, and a description of specific research interests (maximum three pages), (4) names and addresses of at least two persons able to provide references for the candidate, and (5) ideally also a written reference letter from at least one referee.

*The Swedish University of Agricultural Sciences (SLU) develops the understanding and sustainable use and management of biological natural resources. The university ranks well internationally within its subject areas. SLU is a research-intensive university that also offers unique degree programmes in for example rural development and natural resource management, environmental economics, animal science and landscape architecture.*

*SLU has just over 3,000 employees, 5,000 students and a turnover of SEK 3 billion. The university has invested heavily in a modern, attractive environment on its campuses in Alnarp, Skara, Umeå and Uppsala.*

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