

September 23, 2016

Naturvetenskapliga Fakultetsnämnden

Bil. 28
NATURVETEN.
SKAPLIGA
FAKULTETSNÄMNDEN
den 19/10 2016

Proposal for an Assistant Professor in Aquatic Geochemistry

The Board of the Department of Environmental Science and Analytical Chemistry (ACES) decided at its meeting on 16 September 2016 to propose an assistant professor position in aquatic geochemistry.

One of the research foci at ACES is biogeochemistry. The overarching goals of biogeochemistry research are to study the processes that influence the major biogeochemical cycles on Earth and ultimately govern the composition of the environment, and to assess the impact of human activities on these processes. We combine large-scale field studies with molecular and isotopic methods to track changes, quantify transport, and trace sources of substances such as nutrients, metals, carbon and organic compounds in water, air and soil.

Biogeochemical processes affecting aquatic ecosystems, including the impact of long-range atmospheric transport of pollutants such as trace metals and acidifying substances, has long been a major focus of biogeochemical research at ACES. This research was led by Professor Hans Borg, who retired in 2013. We sought to recruit a professor to succeed Prof. Borg scientifically as well as to lead the Biogeochemistry Unit within ACES, but this process was terminated in the autumn of 2015 when the top candidate withdrew after several months of negotiations. We have since reassessed both the pool of potential candidates as well as the leadership situation within the department. We have come to the conclusion that there are strong candidates at the assistant professor level who we believe would be attracted to a position at ACES. In addition, we have found and implemented another solution for the leadership needs within the Biogeochemistry Unit. We therefore propose to recruit at the Assistant Professor level. This is in accordance with the faculty's policy that faculty recruitment should occur primarily at the junior level.

As the subject area we propose "the study of the cycling of biogeochemically-active elements in aquatic ecosystems". We have chosen a broad subject area in order to attract as many strong candidates as possible. On the other hand, this is a subject area that will contribute to as well as benefit from the research environment at ACES and IGV. IGV and ACES have developed strong collaborations in this field of research, particularly since ACES moved into Geohuset, and this recruitment is important for sustaining and strengthening these ties.

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On the basis of these considerations, we believe that an assistant professorship in aquatic geochemistry is important for the development of ACES and would be a positive addition to the faculty.

The assistant professorship will be financed from the department's base grant.

In publicizing this position ACES will use the following main channels:

- SU website
- ACES website
- Utilizing personal networks and mailing lists
- Directly contacting potential candidates
- Nature jobs
- Euraxess
- Die Zeit (German market)

Sincerely

Michael McLachlan

Prefekt

BESLUT

2016-10-19

Till

Områdesnämnden för naturvetenskap

Anställningsprofil för biträdande lektor i akvatisk geokemi

Förslag från styrelsen vid institutionen för miljövetenskap och analytisk kemi:

Ämnesbeskrivning	Med akvatisk geokemi avses här studier av biogeokemiskt aktiva grundämnens kretslopp i akvatiska ekosystem.
Huvudsakliga arbetsuppgifter	Forskning samt viss undervisning och handledning.
Behörighetskrav	<p>Behörig att anställas som biträdande lektor är den som har avlagt doktorsexamen eller har utländsk examen som bedöms motsvara doktorsexamen. Främst bör den komma ifråga som avlagt doktorsexamen eller har nått motsvarande kompetens högst sju år före ansökningstidens utgång.</p> <p>Samtliga läraranställningar vid Stockholms universitet förutsätter att den sökande har en förmåga att samarbeta och lämplighet i övrigt för att fullgöra arbetsuppgifterna.</p>
Bedömningsgrunder	<p>Särskild vikt fästs vid vetenskaplig skicklighet. Viss vikt fästs även vid pedagogisk skicklighet.</p> <p>Den vetenskapliga skickligheten kommer i första hand att bedömas inom ämnesområdet för anställningen.</p>
Uppmaning till företrädare av underrepresenterat kön att söka anställningen	Fakulteten välkomnar ansökningar från kvinnor då flertalet lärare vid institutionen är män.
Finansiering	Inom institutionens budgetram.
Övriga upplysningar	<p>En biträdande lektor anställs tills vidare, dock längst 4 år. Anställningen kan förlängas till maximalt 6 år om särskilda skäl finns. Särskilda skäl kan t.ex. vara sjukfrånvaro eller föräldraledighet.</p> <p>Efter ansökan och prövning kan den biträdande lektorn befordras till anställning tills vidare som universitetslektor.</p>

	<p>Specifika kriterier för befordran från biträdande lektor till universitetslektor är fastställda av Områdesnämnden för naturvetenskap och återfinns på www.science.su.se</p> <p>Ansökan om befordran till universitetslektor ska inlämnas till fakulteten senast nio månader innan förordnadet som biträdande lektor löper ut.</p> <p>Vid befordran till universitetslektor förväntas den anställde kunna undervisa på svenska.</p>
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English translation

Assistant professor* in Aquatic Geochemistry

Subject description	Aquatic geochemistry in this context is the study of the cycling of biogeochemically-active elements in aquatic ecosystems.
Main responsibilities	Research and in addition some teaching and supervision.
Qualification requirements	<p>In order to qualify for the position of assistant professor, the applicant must have received a doctoral degree or equivalent qualifications. Preference should be given to those who were awarded a doctoral degree or attained equivalent qualifications no more than seven years prior to the expiry of the application period.</p> <p>All teaching positions at Stockholm University require the ability to collaborate and the general ability and suitability to perform one's duties.</p>
Assessment criteria	<p>In the appointment process, special attention will be given to research skills. Teaching skills will also be considered.</p> <p>The assessment of research skills will focus primarily on merits within the subject area of the position.</p>
Gender considerations	Female applicants are particularly welcome, as most teachers at the department are men.
Funding	Within the department's budget.
Additional information	An assistant professor is employed until further notice, but no longer than four years. The contract may be extended to a maximum of six years under special circumstances, such as due to sick leave or parental leave.

	<p>An assistant professor may, on application, be promoted to a permanent position as associate professor. Specific criteria for promotion from assistant professor to associate professor have been established by the Faculty of Science and can be found at www.science.su.se.</p> <p>An application for promotion to associate professor should be submitted to the faculty at least nine months before the appointment as assistant professor expires.</p> <p>An employee seeking promotion to associate professor is expected to be able to teach in Swedish.</p>
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In the event of a discrepancy between the English translation and the Swedish original, the Swedish version shall prevail.

* Swedish “biträdande lektor”; tenure track position

Förteckning över tänkbara sökande, inklusive nuvarande arbetsplats:

Name	Surname	Affiliation	Country
Oliver	Baars	Princeton University	USA
Frédéric	Bouchard	Université de Montréal	Canada
Cliff	Buck	Skidaway Institute of Oceanography	USA
Raoul-Marie	Couture	Norwegian Institute for Water Research	Norway
Jessica	Fitzsimmons	Texas A&M	USA
Peter	Kraal	Utrecht University	Netherlands
Laura	Richards	University of Manchester	United Kingdom
Ryan	Spoonseller	Umeå University	Sweden
Colin	Stedmon	Technical University of Denmark	Denmark
Teresia	Svensson	Linköping Univ	Sweden
James	Weedon	Free Univ of Amsterdam	The Netherlands
Martin	Wik	Stockholm University	Sweden
Maria	Winterfeld	Alfred Wegener Institute	Germany

