

Uppsala University hereby declares the following position to be open for application:

Chair in Theoretical Chemistry

at the Department of Physical and Analytical Chemistry at the Programme of Quantum Chemistry at the Ångström Laboratory

Within theoretical chemistry, the department presently offers postgraduate courses and research opportunities in applied quantum chemistry, theoretical chemical physics and computational chemistry. The subject is broad and comprises areas such as solar cells, radical chemistry, exotic molecules and anti-atoms, quantum information theory and numerical methods for quantum dynamics. Electronic structure calculations are central. Uppsala University is looking for a person who can further strengthen the research area towards chemistry and molecular science or else establish a new area. Collaboration with experimental activities within chemistry is also a qualification.

Nature of duties: General responsibility for research and research education in theoretical chemistry, teaching and supervision within postgraduate and undergraduate education. Research in the applicant's chosen field. Supplying information about research and development in the research field. Planning research projects. Participation in leadership and administrative roles may be relevant. Cooperation with other research units within the Department of Physical and Analytical Chemistry is important.

Qualifications required: According to Chap. 4, § 5 of the Higher Education Ordinance the eligibility criteria for employment as professor are scientific as well as pedagogic proficiency. According to Uppsala University's appointment regulations, it is also a general requirement that teachers have any other skills which are necessary to carry out their duties proficiently. According to the employment policy of Uppsala University, the scientific proficiency should be demonstrated through independent research that significantly exceeds the qualifications required for the Swedish "docent" title. Planning and leadership competence are important. The applicant must have the teaching proficiency required for the position and in addition, unless there are special reasons, must have formal pedagogical training relevant for the tasks associated with this position. The assessment of pedagogical proficiency will consider planning, carrying out and evaluation of teaching as well as supervising activities and examination.

The ability to teach in Swedish or English is a requirement. The holder is expected to teach in Swedish within two years.

Ranking: For this position, the ranking will be based primarily on the scientific and teaching competence of the applicants, with special emphasis on scientific proficiency. This order of priorities in the application of the different ranking criteria is not absolute. A combined consideration of all grounds of assessment could result, for instance, in an applicant vastly superior regarding pedagogical proficiency being ranked higher than a candidate with superior scientific qualifications who is considered less qualified pedagogically.

Administrative proficiency and skill in leading multidisciplinary research projects is important for the position and will be accorded much weight as will suitability for and interest in leadership. The ability to cooperate with the surrounding community, and to inform people about research and development work will also be considered.

In examining the scientific proficiency special attention will be given to documented development of theories, models, methods and applications for the description of molecular properties, applied within the area of the chemical sciences. Collaboration with experimental chemists as well as researchers from other areas is a merit.

Pedagogic proficiency will be assessed as carefully as scientific competence. In examining the pedagogic proficiency, skills and experience in the planning, execution and evaluation of teaching, as well as supervising activities and examination will be considered.

Administration skills are demonstrated through ability in overall operational planning, ability to organise and lead personnel and ability to cooperate. Ability to inform people about research and development work is demonstrated by popular scientific activities, for example participating in extramural education, publishing popular scientific papers and participating in public discussions on topics of education and research.

Personal circumstances (such as parental leave) that may benefit applicants in the assessment of qualifications, should be included in the list of qualifications and experience (CV).

In filling this position the university aims to recruit the person who, in the combined evaluation of documented qualifications, competence and skills is judged most suitable to carry out and develop the work-in-hand and to contribute to a positive development of the department (and programme).

Recruitment goals: Uppsala University is striving for a more even gender balance in its research and teaching staff. Since most professors in the Faculty are men, women are especially invited to apply for this position.

How to apply: The application must be written in English. The applicant is required to submit **four copies** of documents and **three copies** of publications according to instructions found on the web site <http://www.teknat.uu.se/english/instructions.php> [<http://www.teknat.uu.se/english/instructions.php>] or ordered from Anita.Ljungstrom@uadm.uu.se [<mailto:Anita.Ljungstrom@uadm.uu.se>]

For further information please contact Professor Kristina Edström, tel +46 (0)70 167 9006. Information about the Section of Chemistry can be found at www.chemistry.uu.se [<http://www.chemistry.uu.se/>] and about the Department of Physical and Analytical Chemistry, Quantum Chemistry at www.kvac.uu.se [<http://www.kvac.uu.se/>].

Applications should be directed to the Vice-Chancellor and mailed so as to arrive at Uppsala University, Registrars Office, UFV-PA 2008/595, Box 256, S-751 05 Uppsala, Sweden, or fax +46 18 471 2000, **no later than April 21, 2008**. A fax should be followed by a signed application sent within a week of the deadline.

| [up](#) [[#upp](#)] |

Info

Application no later than:

April 21, 2008

Reg no:

UFV-PA 2008/595

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