



**LUND UNIVERSITY**  
Faculty of Science

PUBLIC NOTICE

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Faculty Office  
Personnel Manager Gunilla Thylander

Lund University announces an opening for an

**Associate Senior University Lecturer in Mathematical statistics with Specialisation in Statistical Methods and Models in Biology and Medicine**

*Lund University is Scandinavia's largest institution for education and research in a large number of disciplines, such as engineering, natural sciences, law, social science, economics, medicine, theology and the arts. The University has over 40 000 students and approximately 6 000 employees located in Lund, Malmö and Helsingborg. We have a comprehensive global network and a growing co-operation within the Öresund University framework within Southern Sweden and Eastern Denmark.*

*The Division of Mathematical Statistics is part of the Centre for Mathematical Sciences. The Division has at present 16 senior academic staff, including five professors, and about 10 postgraduate students. The research activities have strong external support from e.g. the Swedish Research Council, The Swedish Foundation for International Cooperation in Research and Higher Education, and EU, and are directed towards probability theory and statistical inference, modelling and analysis of technical, medical and financial stochastic systems, extremes and reliability theory, random graphs, statistical signal processing, spatial statistics and statistical image analysis. There are active collaborations with several other departments at Lund University, and with Swedish industry. See also the department homepages at <http://www.maths.lu.se/>*

**Basic facts for the position**

**Reference number:** 1148  
**Date of appointment:** Immediately  
**The latest day for application:** November 18, 2010  
**Placement:** Division of Mathematical Statistics, Centre for Mathematical Sciences (Fac. of Science)  
**Labour unions at Lund University:** OFR, SACO och SEKO  
**Information on the position:** Head of division Maria Sandsten, +46 (0)46-222 4953, [maria.sandsten@matstat.lu.se](mailto:maria.sandsten@matstat.lu.se)  
**Information on the terms of employment and the application process:** Faculty Personnel Manager Gunilla Thylander, +46 (0)46-222 4032, [gunilla.thylander@kanslin.lu.se](mailto:gunilla.thylander@kanslin.lu.se)

**Description**

The appointment is initially limited to four years, but can be made permanent following an evaluation procedure.

The successful candidate will do research in statistical methods and models in biology and/or medicine, and teaching in mainly the same areas. Examples of such research areas include development and analysis of stochastic models with applications in biology and/or

medicine; biostatistics; bioinformatics; medical statistical signal processing. Responsibilities will also include supervision of masters students, and later also supervision of postgraduate students. It is expected that the successful candidate will be active in applying for external funding for the division's research programme and in further developing collaborations with university departments in the areas of biology and medicine, i.e. in contributing to building a solid research programme in statistical models and methods with applications in those areas.

### **Qualifications**

To be eligible for an appointment as associate senior lecturer, a person must, according to Chapter 4, Sekt. 8a of the Higher Education Ordinance (SFS 1993:100), have successfully completed a PhD degree or have corresponding scientific competence in a relevant subject area. Basic qualifications are a PhD in statistics or a related area with substantial content in mathematics and statistics. A person who holds a foreign degree that is deemed equivalent to a doctorate shall be qualified for appointment as associate senior lecturer.

Priority should be given to candidates who have completed their degree no more than five years before the last date for applications. Candidates who have completed their degree earlier than this should receive equal priority if special grounds exist, for example leave of absence because of sickness, parental leave and other similar circumstances.

The major requirements are scientific and pedagogical skills, with more importance attached to the scientific skills. Strong activities within applications to biology and/or medicine and a record of productive collaborations with researchers in these areas are particularly valued. Large emphasis will be placed on how the candidate through his/her experience can complement, broaden and strengthen the research and teaching at the Division of Mathematical Statistics.

Regulations for evaluation of qualifications for teaching positions are given in *Ch. 4, Sect. 15 Higher Education Ordinance (SFS 1998:1003)*, in *Lund University Teacher Appointment Regulations* ([http://www3.lu.se/pers/Regler/aolu02\\_en.pdf](http://www3.lu.se/pers/Regler/aolu02_en.pdf)), and in the *Strategic plan of Lund University* ([http://www.lu.se/upload/LUPDF/Om\\_LU/Strategicplan\\_2007\\_2011.pdf](http://www.lu.se/upload/LUPDF/Om_LU/Strategicplan_2007_2011.pdf)).

The University strives to achieve an even gender balance. Therefore, applications from women are especially encouraged.

### **Promotion to a permanent position as senior lecturer**

An associate senior lecturer shall on application be promoted to a permanent position as senior lecturer, if he or she is qualified for such an appointment and is in addition deemed suitable in the light of the grounds of assessment established by the institution for promotion to senior lecturer.

The assessments for promotion to a permanent position are:

- Well documented scientific competence or other skills important for the subject of the position or the tasks included.  
*Commentary: The Faculty of Science will place great emphasis on the applicant having been appointed to docent (habilitation).*
- Well documented pedagogical skills.  
*Commentary: The Faculty of Science will place great emphasis on the applicant having shown interest for pedagogical development, for example by attending classes in university teaching, and an ability to teach in Swedish and English.*

- Good standing as a scientist, nationally and internationally.  
*Commentary: The Faculty will, with consideration to the character of the subject, place great emphasis on the ability to successfully apply for research grants from national and/or international funders.*
- Ability to advise graduate students.  
*Commentary: When judging the ability to advise students, the Faculty will also place emphasis on the ability to advise master's theses.*
- Ability to develop, lead and carry out education and research.
- Good academic leadership abilities and other personal abilities of importance for the position.
- Ability to interact with society and inform on research and development.

An application for promotion to a permanent position as senior lecturer is to be submitted to the relevant teacher's appointment board **at the latest 8 months** before the appointment as assistant senior lecturer ends. The application for promotion is to be judged by the teacher's appointment board after acquisition of the opinion of at least two experts on the subject.

#### **Required content of the application**

The Faculty Board has specified instructions for the application and its accompanying documents. These can be found at the Internet address:

<http://www.naturvetenskap.lu.se/o.o.i.s/11729>

(<http://www.naturvetenskap.lu.se/anstallning>)

Information can also be obtained upon request by e-mail or ordinary mail.

By commission

Gunilla Thylander