



LUND UNIVERSITY
Faculty of Medicine

Post-doctoral Position: Respiratory Immunology & Inflammation

Placement: Department of Experimental Medical Science & Dept. of Respiratory medicine and Allergy

Duration: 24 months.

Starting time: 2019-09-16 or according to agreement

Last day for applying: 2019-08 -23

Description:

An exciting up to two-year post-doctoral position is available for a highly motivated recent Ph.D. or M.D./Ph.D. graduate to join a translational research project between the *Unit of Airway inflammation* and Lund University, *Dept of Respiratory Medicine*, Lund University Hospital. The field of research concerns decoding of immune processes in respiratory diseases, with a focus on asthma. The research unit has a unique platform for cutting-edge histological mapping of infiltration patterns and activation status of tissue infiltrating immune cells. Decoding of immune patterns will be performed on large validated patient cohorts and control subjects. Immune cell patterns will be related to local tissue disturbances as well as clinical manifestations (clinical data). The methodological focus will be on state-of-the-art histological assessments and relevant techniques include confocal laser microscopy, advanced in situ-hybridization, single and multidimensional immunohistochemistry techniques and advanced computerized image analysis. The patient cohorts, which represent biopsies from national and larger international collaborations, include different severities (or treatments) of asthma as well as patients with respiratory infections. Through our collaborators the project will also involve modern molecular, genomic and bioinformatic approaches.

Qualifications:

Dedicated individuals with a recent (within 3 years) Ph.D. or M.D./Ph.D., and strong publication records and excellent academic credentials are encouraged to apply. The ideal candidate should have technical proficiency and scientific creativity in one or more of the following areas; airway inflammation/immunology, respiratory biology, histological techniques and computerized image analysis and bioinformatics. The candidate must also have knowledge in statistics. Fluency in English is a requirement. Eligible candidates must not have held positions at Lund University within the last 2 years.

The application should contain:

Please submit your application with cover letter, curriculum vitae and PhD Diploma.

Contact for Further Information:

Jonas Erjefält, Prof. Head, Unit of Airway Inflammation
Tel: +46 46 2220960, E-mail: jonas.erjefalt@med.lu.se

Appointment procedure:

Applications with CV is to be sent to Jonas Erjefält via e-mail: jonas.erjefalt@med.lu.se. Dnr V 2019/693 shall be indicated on the application.

Lund University is one of Europe's leading universities. Here, history and tradition lay the ground for the study and research environments of tomorrow. We offer education and research within engineering, science, law, social sciences, economics and management, humanities, theology, fine art, music and theatre. Through interaction with business and the community we ensure that knowledge and innovations benefit society. The University has 47 000 students and 7 200 staff from all over the world, based mainly in Lund, Malmö and Helsingborg. We work with 680 partner universities in more than 50 countries.