



LUND
UNIVERSITY

2023-03-09 Ref No: V 2023/474
Announcement Post doc scholarship

Faculty of Medicine
Department of Laboratory Medicine, Lund

Announcement: Post doc scholarship in Spatial Chemical Mapping of Normal and Transformed Tissue

Scholarship

The aim of the scholarship is to offer an opportunity for a postdoc candidate with any background within the medical sciences or natural sciences to learn from a uniquely transdisciplinary research team. The team works at the intersection between tumor biology, evolution, chemistry, and geology. There will be opportunity for the fellow to apply insights from any of these fields to the explorations of new ways to detect cancer early. In ongoing projects, the candidate may be able to identify and pursue questions pertaining to the chemical characteristics in tissues that are normal or undergoing transformation (cancer). The methods can include a variety of mass spectrometry tools, cell culture, tissue sectioning, mathematical mass balance modelling, and isotope geochemistry. The scholarship primarily aims to offer an opportunity for the curious and driven candidate to establish their own line of research. The scholarship offers an educational and exploratory purpose of the opportunity. A goal of the project is for a candidate to unravel new ways to think about and approach early cancer detection, with methods, tools, or thinking from any field within the medical or natural sciences.

Qualifications required

1. The applicant should have an interest in the evolution of life and a broad experience of current questions in biology, chemistry, geobiology, or molecular biology.
2. The applicant should hold a PhD degree (after 2020-05-01) in the chemical, geological, biological, or medical sciences with experience in mass spectrometry methods.

3. The applicant should hold specific expertise in spatial chemical mapping, mass spectrometry, bulk analyses, or mass balance modeling.
4. The applicant should be skilled in experimental design, statistics and data evaluation.
5. The applicant should be used to defining and exploring research questions independently.
6. The applicant should be an ambitious scholar and keen on learning.
7. The applicant should have good communication skills and willing to improve them.
8. The applicant should be able to interact efficiently in a team.
9. Excellent spoken and written English.

The applicant should not have been employed by Lund University within the last two years in order to be able to receive a scholarship. PhD degree should not be more than three years old at the last day of applying,

Placement: In the group of Molecular Evolution at BMC, Lund University – with potentially extensive collaborations with the Malmberg lab at Chalmers in Gothenburg.

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Duration: 2 years (2023-05-01–2025-04-30)

Starting time: 1 May, 2023 (or after agreement)

Last day for applying: 16 April 2023

For further information please contact:

Emma Hammarlund, emma.hammarlund@med.lu.se

Other

Lund University encourages both men and women to apply for the position.

Information regarding post doc scholarships at Lund University

- The scholarship amounts to 30,200 SEK/month and is normally paid three months in advance.
- The scholarship is intended for the recipient's own education and does not constitute compensation for work carried out for the University.
- The scholarship is a grant and therefore not subjected to tax deduction.
- The scholarship does not entitle the recipient to compensation in case of illness.
- The scholarship does not constitute a pensionable income.
- The scholarship does not entitle the recipient to vacation.

- The scholarship does not include financial compensation for parental leave.
- The scholarship does not entitle the recipient to allowance during travels in the line of duty.
- The scholarship awarded is to be reviewed by the head of department every six months and the supervisor is to inform the head of department before each review of any significant circumstances.
- Scholarships set up by Lund University for any individual may not run for a period of more than 24 months.
- The scholarship follows the regulations established by the Vice-Chancellor of Lund University (June 27th 2013; Reg. No PE 2013/356).

Application

- Written application, including reference number (V 2023/474), is to be sent via e-mail to the supervisor and must include the following:
- PhD diploma
- CV
- Personal letter, stating the reasons why the project suits the applicant (maximum one page)
- List of publications
- References (2)
- Other relevant documents should be addressed to:
emma.hammarlund@med.lu.se.

Last day of application is 2023-04-16