Announcement of post-doc scholarship at the Department of Clinical Sciences, division of Molecular Skeletal Biology, Laboratory for Cell, Tissue and Organ engineering

Project name
Generation of human hematopoietic bone organs

Reference number: V 2018/2051

Scholarship period: The scholarship covers a period of 6 months with possibility of prolongation up to a maximum of 24 months in total.

Preliminary start date: 2019-02-01

Supervisor/contact person: Paul Bourgine, Tel: 046-2220771, paul.bourgine@med.lu.se

Project:
The laboratory for Cell, Tissue and Organ engineering centers its research on Bone, defined as an organ system. The formation of our Bone involves distinct and complex stages, including cartilage, vasculature, bone and hematopoietic establishment. The lab aims at compiling human-specific knowledge on these processes, toward developing innovative therapies for the regeneration of the skeletal and blood compartments.

The candidate will exploit novel human death-inducible Mesenchymal cell lines, capable of forming mature hematopoietic bone organs (ossicles), through recapitulation of the endochondral ossification process. Using gain/loss of functions in these cells, you will generate “customized bone organs” with distinct molecular signature. You will subsequently analyze the functional organization of the hematopoietic compartment, and decipher the role of the modified gene/pathways.

Qualifications:
- To be eligible for a post-doc scholarship at Lund University the recipient must hold a PhD degree within a relevant field. The PhD degree must not be from Lund University. The PhD degree must not be older than three...
The applicant must not have been employed at Lund University in the past two years

- The candidate should have a great deal of experience in working with mouse or human hematopoiesis. The person should have the skills and expertise in cell biology, murine models
- The candidate should have at least a first author publication in a peer-reviewed journal
- The candidate should have international research experience illustrated by participation to international meetings and employment outside the country of birth

Written application, including reference number, is to be sent via e-mail to the supervisor and must include the following:

- CV
- Personal letter stating the reasons why the study suits the applicant (maximum one page)
- List of publications
- Up to 2 References
- PhD diploma

**Application deadline:** December 20, 2018

**Information regarding scholarships at Lund University**

- The scholarship sum is paid out quarterly
- A scholarship awarded will be reviewed every six months
- Scholarships are tax-exempt
- Scholarships do not give rise to sickness benefits, compensation from the Social Insurance Office or retirement pension.
- A scholarship holder cannot be hired after the scholarship period due to tax reasons