



## **Postdoctoral position: Hematology and Cancer Biology**

### **Job Description**

An exciting opportunity for a Postdoctoral Fellow is available within the *RNA and Stem Cell Biology* group of Dr. Cristian Bellodi at the Division of Molecular Hematology of the Lund Stem Cell Center, Lund University, Sweden. Our laboratory focuses on new post-transcriptional facets of gene expression control in stem and cancer cells at a molecular, cellular and organismal level. We recently uncovered a critical role for RNA modifications in protein synthesis and stem cell function (Guzzi et al., *Cell* 2018). Building on these findings, we have initiated new research lines to study the function of RNA modifying enzymes within different stem cell systems *in vivo* and several exciting projects are available.

The goal of the proposed research project is to unveil the molecular basis by which RNA modifications regulate normal and malignant hematopoiesis *in vivo*. The applicant will have access to unique genetic models in addition to a wide array of biochemical methods and state-of-the-art high-throughput sequencing approaches available in our laboratory. Successful candidate should be interested in the clinical application of basic science research toward understanding the mechanisms underlying hematological diseases associated with stem cell dysfunction.

### **About us**

Our laboratory provides a vibrant and international research environment consisting of postdocs, technical staff, PhD and master students that share an interest in post-transcriptional mechanisms of gene regulation in stem and cancer cells. We are members of the Division of Molecular Hematology composed of 12 research groups with a common focus on hematopoiesis and stem cell research. Our laboratory is embedded in the Lund Stem Cell Center (LSCC), an internationally ranked research center within the strategic areas of Stem Cell Biology and Regenerative Medicine at Lund University, Scandinavia's largest institution for education and research. As a member of the LSCC, the candidate will have the possibility to attend weekly seminars and workshops by national and international speakers within key areas of hematology, regenerative medicine and cancer biology. Furthermore, our environment offers dedicated training courses at the Medical Faculty for academic career development.

### **Essential Skills and Requirements**

We are looking for highly talented and motivated candidates with a recent PhD (preferably less than 3 years) and proof of productive research. Applicants are expected to work independently as well as part of a research team. A strong background in mouse and human hematology and cancer biology is essential for this position. Good knowledge of mammalian developmental biology is preferred.

Excellent verbal and written English communication skills are required.

**To Apply**

Applications including (1) cover letter, (2) curriculum vitae, and (3) contact information of three professional references should be emailed to: [cristian.bellodi@med.lu.se](mailto:cristian.bellodi@med.lu.se).

For more information visit:

<https://www.stemcellcenter.lu.se/research-groups/rna-and-stem-cell-biology>