

Postdoc position in the analysis of long non-coding transcriptome in cardiac regeneration. University of Zurich, Switzerland

The research group of Raffaella Santoro offers a postdoc position in the field of epigenetic and lncRNA in cardiac regeneration on a collaborative project SYNERGIA funded by the Swiss National Science Foundation "Regenerative strategies for heart disease via targeting the long noncoding transcriptome".

The Santoro group at Department of Molecular Mechanisms of Disease, University of Zurich (<http://www.dmmd.uzh.ch/en/research/santoro.html>) is interested in the understanding the relationship between genome, epigenome and coding and non-coding transcriptome in health and disease. The laboratory combines molecular/biochemical approaches, cell biology, mouse genetics and state-of-the-art functional genomic technologies to unravel the mechanisms underlying stem cell pluripotency, differentiation, reprogramming and cancer initiation/progression (Graf et al., Nature Cell Biology, 2017; Leone et al., EMBO Reports, 2017; Gu et al., Nature Genetics, 2015; Savic et al. Cell Stem Cell, 2014).

Required qualifications

Applicants should have a relevant PhD in the field of epigenetics and long non-coding RNA and excellent research track record, including first-author/joint-first-author publications in peer-reviewed journals. A demonstrated aptitude in chromatin and RNA biology and next generation sequencing methods is essential. They must speak English fluently and possess excellent communication skills. They have to show independent, self-critical, self-motivated, untamed enthusiasm for experimentation and discovery, and ability to work independently and in team. You will be expected to be supportive to other members of the research group and the SYNERGIA consortium.

We offer:

- The possibility to work on cutting-edge projects using state-of-the-art technology in a highly motivated research team
- A stimulating, diverse and international research environment
- Advanced training opportunities

Please send applications (including a letter of motivation, CV and contact details of two professional references) as a single PDF to Dr. Raffaella Santoro (raffaella.santoro@dmmd.uzh.ch).

Outstanding candidates will be contacted for interview within two weeks after their application.

Starting date: 1st October 2017