



The research group ‘iron homeostasis’ of the Molecular Medicine Partnership Unit (group leaders: Martina Muckenthaler and Matthias Hentze) is interested in applications for a

Post-doctoral scientist

Our research focuses on iron metabolism and its disturbances in human disease. The major aim is to understand the regulatory circuitry underlying systemic iron homeostasis. We concentrate on the iron hormone hepcidin and its regulatory “target receptor” ferroportin. Since both the excess of hepcidin (leading to anemia) and its deficiency (causing iron overload) must be prevented, a central goal of our work is to decipher the control of hepcidin and ferroportin expression as well as the pathophysiological consequences of their misregulation. The advertised post-doctoral project would focus on understanding the regulation of iron metabolism in the brain and its disturbance in a murine disease model of iron overload.

The research group is embedded within the inspiring environment of the Molecular Medicine Partnership Unit (MMPU) of the University of Heidelberg and the EMBL.

A suitable candidate will have a proven track record of research accomplishments including first author publications in international peer-reviewed journals and excellent experience in:

- molecular and cell biology techniques
- work with murine disease models
- cell culture
- fluorescent microscopy
- neurobiology (desirable, but not absolutely required)

If you are interested in a post-doctoral position please send your CV to:

Prof. Martina Muckenthaler
Head of Molecular Medicine
Department of Pediatric Oncology, Hematology and Immunology
University of Heidelberg
Im Neuenheimer Feld 350
69120 Heidelberg
Tel.: 0049 - 06221 566923
e-mail: martina.muckenthaler@med.uni-heidelberg.de