



## Prof. Martina Muckenthaler, PhD



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## Current research:

The research lab is integrated within the Molecular Medicine Partnership Unit (MMPU) of the University Clinic of Heidelberg and the European Molecular Biology Laboratory (EMBL)" under the title

### The role of iron in health and disease

#### Introduction to the interests of the lab

- ◆ Identification of molecular mechanisms underlying hereditary hemochromatosis
- ◆ Dissecting signalling pathways underlying hepcidin regulation
- ◆ Identification of novel genes containing an Iron Responsive Element
- ◆ Investigation of the hepcidin/ferroportin regulatory system
- ◆ Exploration of the cellular iron regulatory network
- ◆ Development of a novel microarray platform for genome-wide profiling of mature miRNAs (miChip)