

Master's Project – Circadian Regulation of Liver Metabolism

Topic

Master's Project (internship or thesis) focused on liver histology in a circadian mouse cohort to assess circadian regulation of liver metabolism.

The project involves the analysis of paraffin-embedded liver samples collected across 6 circadian time points (n = 6 mice per time point).

Methods

- **Section paraffin-embedded liver tissue**
- **Optimize PAS staining for glycogen visualization**
- **Perform H&E staining for general liver morphology**
- **Perform lipid accumulation staining's**
- **Potentially: immunohistochemistry (IHC) for specific proteins of interest**
- **Analyze and compare histological features across circadian time points statistically**

Please note that applications will only be considered via the following email address:

metabolic-programming.mp.wzw@tum.de

Send your application together with a **CV** and a **letter of motivation**.