Theses

We regularely offer supervisions of bachelor or master theses embedded in our currently ongoing research work with special focus on:

- Circadian clock: from molecule to behaviour
- Neurogenetics of special behaviour (sleep, locomotor, learning, feeding...)
- Neuroanatomy of the circadian systems/in and output
- Neuroanatomy of modulatory systems
- Biochemistry of the processing of neuropeptides

We use a wide range of up-to-date methods and modern techniques well established in our Chair:

- molecular techniques (gene expression assays, qPC, cloning)
- biochemical methods (cap-HPLC, mass spectronomy, Western Blots)
- physiological methods (Calcium/cAMP-imaging, electrophysiological ablations)
- cell culture
- modern anatomical techniques (immuno stainings, cuttings, confocal mikroskopy, 3-D reconstructions)
- advanced methods of behaviour tracking and manipulation (opto/thermo genetics)
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If you want to find out about our current projects, please do not hesitate to contact us.