

The Department of Biochemistry I accepts applications for:

Master thesis in Biochemistry/Molecular Biology

Project background: RNA base modifications have been known for a long time but only recently it was recognized that such modifications are also found on mRNAs. One specific type of such modifications is m⁶A methylation. Writers, readers and erasers of this modification have already been identified. Previously, it was shown that these m⁶A regulators exert diverse functions in several tumor types. However, nothing is known about the post translational modification of these factors in cancer.

The Master thesis will focus on the functional characterization of post translational modification of selected m⁶A regulators in during cell cycle progression and colorectal cancer progression. The successful candidate will have the ability to learn a variety of methods including immunoprecipitation, mass spectrometry, CRISPR/Cas9, cell cycle analysis as well as *in vivo* xenograft mouse experiment.

Highly motivated Master Students are welcome to apply. Candidates should have a primary training in Biology/Biochemistry/Molecular Medicine and proficiency in English. Applications should be sent to (preferably by email):

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