

Master thesis

Project title: Metabolic vulnerabilities of FLT3-ITD TKI-resistant acute myeloid leukemia cells.

Project description: The project will investigate the role of cellular metabolism in leukemia cells survival and the development of drug resistance using NMR spectroscopy. Identified targets will be verified by a variety of biological and biochemical assays. Biochemistry students are encouraged to apply.

Literature:

Cancer Cell. 2018 Nov 12;34(5):724-740.e4.

Blood. 2018 Apr 12; 131(15): 1639–1653.

Cancer Lett. 2016 Jul 28;377(2):149-57.

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Starting date: June 2019

For application, contact Islam Alshamleh (alshamleh@nmr.uni-frankfurt.de).