Master Thesis Project
at the Institute of Protein Biochemistry on

Cryo-Electron Microscopy of Amyloid Fibril Structures

Amyloid fibrils are misfolded protein states in diseases, such as Alzheimer's and Parkinson's, and relevant in materials sciences and biotechnology as novel types of nanoscaffolds.

Methods: The main method will be cryo-electron microscopy, which was recently elected by the Journal Nature Methods as Method of the Year 2015, to provide high resolution structural information about amyloid fibrils.

Who should apply: Highly motivated students enrolled in relevant Master programs, such as Biochemistry, Biophysics, Informatics, Advanced Materials, Physics, Chemistry, with an interest in computational and high end biophysical methods. Starting date: 2017.

Applications: per Email to Prof. Dr. Marcus Fändrich, Director of the Institute of Protein Biochemistry. Deadline: 28 February 2017. Please check our website (https://www.uni-ulm.de/nawi/nawi-pbt/) for the required documents.