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The Max Planck Institute for Multidisciplinary Sciences is a leading international research institute of exceptional scientific breadth. With more than 40 research groups and some 1,000 employees from over 50 nations, it is the largest institute of the Max Planck Society.

Masters Project Opportunity in Biological Image analysis – Department Tissue Dynamics and Regeneration

The Department of Tissue Dynamics and Regeneration is looking for a Master student (m/f/d) to pursue a thesis research project. This project focuses on image classification and features extraction on recordings of biological samples. The project supports a high content screening program that aims to identify mechanisms underlying tissue patterning in planarian flatworms. The successful candidate will have an understanding of basic principles in image analysis. A background in biology is an asset but not required. The candidate must express a high degree of self-motivation, to independently explore novel methods of image analysis that include machine learning as well as conventional approaches. Previous experience in these areas is advantageous. Basic knowledge in Python and Bash is an asset.

Throughout this project, the student will gain valuable experience in high content data management, processing and analysis. This highly collaborative project will require and strengthen skills to work with a dynamic team.

If interested, please contact Dr. Tobias Boothe by email at tobias.boothe@mpinat.mpg.de or by phone at 0551 201 26115.

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