

2D Analysis and Visualization of Molecular Biology Data

Short description:

Design and implementation of Algorithms for the 2D Analysis and Visualization of Molecular Biology Data

Goal:

The goal of this interdisciplinary project between Computer Science and Molecular Biology is to design and implement segmentation algorithms for the automatic analysis and visualization of super-resolution microscopy data. The project will be carried out in cooperation with Professor Dr. Kohlwein the PI of the Yeast Genetics and Molecular Biology Group from the Karl-Franzens-University. For more information please see:

<http://yeast.uni-graz.at/>

Note: Biomedical Engineering Students are welcome!

Keywords:

Super-resolution Microscopy, Bio Imaging, Genetics and Molecular Biology, Image Analysis, Visualization, Computer Vision, Deep Learning, Machine Learning

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