The Max Planck Institute of Biochemistry (MPIB) in Martinsried is one of the world's leading research institutions in the fields of biochemistry, cell and structural biology and biomedical research. With approximately 30 scientific departments and research groups and about 750 employees, the MPIB is one of the largest institutes of the Max Planck Society.

The "Molecular Pattern Mining and Learning" project group led by Dr. Carlos Oliver in the Machine Learning and Systems Biology department headed by Prof. Dr. Karsten Borgwardt is looking to recruit a

PhD student

We're actively recruiting ambitious early-career scientists to take part in cross-disciplinary projects in graph data mining, deep learning, and algorithmics related to biomolecular data. We are looking for candidates who enjoy working in a dynamic international environment and are passionate about solving fundamental problems in machine learning and computational biology.

The project group and department you will join is working on developing machine learning models and pattern mining algorithms with the aim of *generating novel insights about the function of systems* of structured *geometric objects (proteins, RNA, small molecules)*.

Applicants should hold a Master's degree or a similar qualification in a field of computer science or related fields. Previous experience in geometric deep learning, graph theory, computational biology, bioinformatics is advantageous but not required.

Research environment
The MPIB was founded in 1973 with the aim to understand fundamental mechanism of biochemistry, cell and structural biology, biophysics and molecular medicine. The Machine Learning and Systems Biology department, known for its work in machine learning and data mining. The MPIB offers an outstanding research environment with in-house facilities for molecular structure data generation, deep learning, bioinformatics, and high performance computing.The institute is part of a strong network of research institutions in the southwest of Munich and provides outstanding research opportunities for its scientists.

Further Resources:
- Project leader: https://carlosoliver.co/
- Department: https://www.biochem.mpg.de/borgwardt

For questions regarding the position send an e-mail to: oliver@biochem.mpg.de

Payment will be according to qualifications and in accordance with TVöD (German public service tariff scale). The initial appointment will be for 3 years with a possible extension.

The Max-Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. Furthermore, the Max Planck Society seeks to increase the number of women in research and explicitly encourages women to apply.

Are you interested?
Then please upload your complete application documents, containing a one-page letter with a personal statement describing your scientific accomplishments and your interests in our project group and its research, your CV and bibliography, as well as contact information for at least two references, in electronic form via the
online application website. **Deadline: September 15, 2023.**

Please note: Applications by e-mail will not be considered for data protection reasons.

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