PhD position at Dynamic Biosensors GmbH,

DYNAMIC BIOSENSORS is a young biotech company based in Munich, Germany, and San Diego, California, focused on the development and marketing of novel technology for biophysics in the areas of molecular interaction analysis and drug discovery. The company's pioneering and award-winning switchSENSE technology is used in life science research in academic and industry laboratories. Beyond the science, Dynamic Biosensors is buzzing with ideas, nice people, and fueled by an entrepreneurial spirit.

A PhD candidate will be recruited at Dynamic Biosensors in Munich for the development and optimization of RNA bio-chips. Aim is the on-chip immobilization of RNA recognition motifs (RRM) for interaction analysis with RNA-binding proteins. These experiments will provide detailed insights into the allosteric modulation of RRM-protein interactions and will additionally provide information on the size and conformation of the protein-RNA complexes.

The experimental data will provide the constraints for structure based-based modelling of RRM-protein interactions. For training in structure-based modelling approaches you will spend four months at CNRS (Paris, France). Furthermore, you will get the opportunity to connect to several research groups inside and outside EU, including pharma companies, through other projects developed in partnership with DBS.

You will be part of an interdisciplinary R & D Team. A broad basis for understanding DNA based biochemistry is required. Knowledge in molecular interaction analysis methods is a plus.

Skills / Qualification

- M.Sc. (or equivalent graduation) in relevant area (e.g. Biology, Chemistry, Biochemistry, Physical Chemistry, Molecular Biology, Biotechnology or similar).
- High interest in biophysical methods.
- Fluency in relevant models, techniques or methods and ability to contribute to developing new ones.
- Fluent in English (communication and teaching language throughout RNAct is English).
- Ability to communicate complex information clearly.
- Ability to assess resource requirements and use resources effectively.
- Understanding of and ability to contribute to broader management/administration processes.
- Great team spirit, having fun collaborating.