



The Structural Genomics Consortium together with the **Cluster of Excellence “Macromolecular Complexes”** at the Goethe-University Frankfurt am Main offers a

## **Scientist position with bioinformatics/web development experience (E13 TV-G-U)**

The position is available for two years.

We offer a stimulating research environment and the possibility to work on novel biological data with leading-edge experts in one of today's most dynamic scientific disciplines. We are looking for people that are highly qualified and motivated to join our interdisciplinary team consisting of chemists, biochemists and cell biologists.

The Structural Genomics Consortium (SGC) is a not-for-profit, public-private partnership encompassing 8 pharmaceutical companies that conducts pre-competitive research to facilitate the discovery of new medicines. Based at several international universities (Oxford, Toronto, Chapel Hill, Campinas) the SGC's work contributes to new hypotheses in understanding and treating human disease, and the subsequent identification of new targets for drug discovery. The SGC's primary objectives are to produce and characterize the 3-dimensional structures of soluble proteins and of integral membrane proteins, to generate selective chemical probes for epigenetic proteins and kinases, and to release these into the public domain. As part of its mission the SGC generates medically relevant reagents and knowledge related to human proteins and proteins from human parasites, which it shares through over 250 collaborations with researchers worldwide. A new project is the 'Donated Probe Program', a program that makes best use of high quality compounds no longer pursued within pharma companies. These compounds are made available via the SGC to the scientific community and accompanying data will be stored in a database. The applicant will be expected to have a good level of biological understanding to work with and interact with scientists in other life sciences.

Applications are invited for a position in the laboratory of Dr. Susanne Müller-Knapp (SGC Frankfurt) to work on an exciting, international project involving pharmaceutical industry and academics in a highly interdisciplinary environment. The position is embedded in the SGC at the University of Frankfurt and the successful applicant will work closely together with researchers at the Universities Oxford, Toronto and UNC to build and curate a database for the probe program.

### **Required Qualifications**

- Significant experience in bioinformatics or similar area; ideally with PhD in a relevant field
- Demonstrable web development experience to include the specification, management and delivery of web-related projects and also significant data visualisation work
- A passion for coding in an agile software development manner
- An outstanding level of competency in web programming languages such as Python, JavaScript, HTML5/CSS3, PHP, Java and also in standard toolkits such as jQuery, node.js etc.
- A high level of competence in development and interactions with databases based on more of the following platforms: MySQL, PostgreSQL
- An outstanding record of learning and applying new technologies
- Ability to grasp novel visualisation concepts and requirements leading to collaborative interpretation and implementation
- A working understanding of semantic web technologies
- Ability to communicate to all levels of users (internal and external), strong problem-solving skills, adaptable, proactive and willing to take ownership
- Ability to prioritise work and meet short deadlines
- Highly motivated and self-driven
- Experience in cheminformatics is a plus

To apply, please email a cover letter stating your career interests, your CV and contact addresses of at least two referees in a single PDF file to Dr. Susanne Müller-Knapp ([Susanne.Mueller-Knapp@bmls.de](mailto:Susanne.Mueller-Knapp@bmls.de)) **until 06.06.2017**.