Topics	Software Engineering | Algorithm Optimization | Automated Testing | Benchmarking
Start	Q3/Q4 2017
Company	Biognosys
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YOUR FUTURE @ BIOGNOSYS

Software Engineer 100%
SOFTWARE | OPTIMIZATION | TESTING | BENCHMARKING

Biognosys is the leading company in next-generation proteomics, offering services and products for precise high-content protein quantification. Our technology quantifies proteins with unbeatable precision and depth. Biognosys was founded in 2008 as a spin-off from Prof. Ruedi Aebersold's lab at the ETH Zurich in Switzerland. Biognosys' headquarters is located in the Biotechnopark in Zurich, Switzerland where we operate our own state of the art proteomics facility. We also have office and laboratory space in the US in Boston. Biognosys has product and service customers all over the world and has provided services to 8 out of 10 of the biggest pharma companies in US and EU, various biotech, agriculture and life science companies.

Proteins participate in virtually every process within a cell. Hence, we believe that decoding of the proteome will impact life sciences more than the genome revolution a decade ago. Our mission is to make next-generation proteomics widely available with our contract research services and with our portfolio of innovative reagents and software products. We enable researchers to generate biological insight from proteomics experiments through our services or using our software.

THE CHALLENGE

Biognosys' protein analysis technology relies on powerful data processing and visualization. We want to steadily improve our software solutions to make them more user friendly, robust and scalable. We'd like to optimize our algorithms, use more advanced data structures and algorithms to speed them up and make them more robust. The challenge is to hide the complexity of the technology and focus the software on being a user-friendly and powerful tool to the biologist/analytical chemist for exploring Omics data and to answer life science questions that impact our everyday life.

YOUR FUNCTION

You will work on our analysis and data visualization pipelines. You will make them fast, efficient and robust with novel algorithms and data structures. You will lead engineering efforts from planning and organization to execution and delivery. You will design and build advanced automated testing/benchmarking frameworks. You will drive adoption of best practices in code health, testing, and maintainability. You will be embedded in the R&D bioinformatics team but also closely interact with people in R&D wet lab and contract research in order to develop highly efficient proteomic workflows.

YOUR PROFILE

- Master's in computer science, bioinformatics or related technical field (PhD of advantage)
- Minimally 3 years of working experience in software development (experience in test automation of advantage)
- Very good knowledge in programming C# or Java
- Knowledge in programming R, statistics and machine learning are of advantage
- Experience with life science data of advantage
- You like to work in an interdisciplinary environment, exchange knowledge and work in a team
- You like to structure processes and coordinate with people to steadily improve existing development workflows
- You have an accurate and responsible working style
- You are a self-motivated, proactive and independently working person
- Very good knowledge of written and spoken English

YOUR OPPORTUNITY

We offer you exciting work in cutting edge bioinformatics. You will learn about the physics, chemistry and biology behind high-tech proteomics. You will work with an international, motivated, highly skilled and interdisciplinary team and solve interesting algorithmic and engineering challenges.

If you want to become part of Biognosys, send your full application including motivational letter and CV to lukas.reiter@biognosys.com. Paper applications will not be considered. Lukas Reiter is glad to answer your questions on +41 (0)44 738 20 40 or via email.