

We are seeking candidates for a **Scientific Programmer** position in the Statistical Genomics Group headed by Dr. Christoph Lippert at the Berlin Institute for Medical Systems Biology.

Job Description

As a scientific programmer in the Statistical Genomics group, you will lead the development of computational tools for quantitative problems in healthcare and biology that are driven by technological advances in sequencing, medical imaging and sensors that take recordings of disease-related traits at different biological scales, from molecules, over cells, tissues, and organs.

You will oversee the software development efforts in the group, set up and manage source control and testing environments, support the group in their computational needs and lead open source code and data releases.

We are looking for

- a Bachelor's or preferably Master's degree in bioinformatics, computer science, or a related computational discipline.
- good knowledge of software engineering principles, including version control, automated testing, and development processes, Unix/Linux operating systems, bash.
- Programming languages: Python, and preferably some C++, or demonstrated ability to pick up either language quickly.
- Basic statistics and data visualization techniques.
- experience with numerical and machine learning packages (e.g., pandas, numpy, Eigen, sklearn, tensorflow, torch) is preferred but not required

You should apply if you are interested in scientific computing, machine learning, artificial neural networks, and big data analytics in genomics and healthcare. As we communicate and perform research in English, no prior knowledge of German is needed.

You can expect

- to collaborate with researchers at a welcoming and internationally renowned institute that is embedded in Berlin's thriving academic environment
- to participate in a wide array of seminars, conferences, retreats, workshops, career-development courses, and social activities
- to live in a cosmopolitan city with rich cultural offerings
- a competitive benefits package with pay scale grouping commensurate to your duties and personal experience up to Entgeltgruppe 13 TVÖD Bund
- the possibility and full support to pursue a future graduate degree if you are interested

How to apply

Please send the following information combined into a single file to jobs@mdc-berlin.de

- a statement of interest
- curriculum vitae with names and contact information of at least one past employer or academic referee
- copy of degree certificates and transcripts

As we seek to increase the number of women in computational disciplines, we explicitly encourage women to apply. We are an equal opportunity employer and value diversity at our institution.

THE DEADLINE FOR COMPLETE APPLICATIONS IS NOVEMBER 30, 2017.

Interviews are expected to take place in December 2017 and January 2018.

If you have questions don't hesitate to write to christoph.lippert@mdc-berlin.de