SCIONICS

Bio-Image Analyst

Company Description

Scionics Computer Innovation GmbH provides consulting, services, and support to academic institutions and scientific research organizations. Scionics integrates information technology and data and image analysis techniques with biology and the life sciences.

Scionics is located in Dresden, Germany, and is part of the dynamic Biopolis Dresden research campus that includes the Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG) and its Center for System Biology (CSBD), the Center for Molecular and Cellular Bioengineering (CMCB) of the TU Dresden, and the Center for Theoretical Medicine (MTZ) which is part of the university hospital. Scionics works closely with all of these institutions and this provides Scionics staff access to new technology, exciting projects and research. Scionics works together with a highly international community of scientists who are world leaders in their respective fields. Driven by the frequent requests coming from the institutions on the Biopolis Dresden research campus, Scionics wants to strengthen its expertise in Bio-Image informatics.

Job Description

We seek to recruit a highly motivated individual to work in a team dedicated to biological image analysis. This team provides image analysis services to the Dresden scientific community. The close vicinity of research groups working at the interface of biology and physics as well as optical technology development and image processing provides an exciting and unique environment to work on multidisciplinary projects.

The Bio-Image Analyst will support the needs of wet lab biologists by meeting with them to discuss their projects and proposing and implementing solutions for the image analysis component of their research. The Analyst will rely on existing software packages to demonstrate and implement quantitative, scientifically rigorous and repeatable image analysis pipelines while also considering factors such as usability and the integration of the solution into existing infrastructure. The team deals with a diverse and exciting range of projects and a successful candidate will enjoy innovating and being creative in using existing tools, and testing and implementing new tools, to efficiently solve scientific problems. In addition, the successful candidate will contribute to the teaching of image analysis strategies and techniques, will keep up-to-date with new trends, and will work to continue our strong relationships with imaging facilities on campus.

Responsibilities Include
- Help scientists design and build successful image analysis pipelines using a variety of open source and commercial packages primarily ImageJ/Fiji but also Huygens, Imaris, Matlab and Cell Profiler.
- Participate in a "walk-in" consulting service for scientists to guide them to the correct software and image analysis solution.
- Write custom scripts, macros, and code to combine, integrate, and expand existing tools when necessary.
- Participate in teaching and training of researchers with regard to image analysis techniques and appropriate scripting tools.
- Test and propose new tools and strategies in order to keep up-to-date with current Bio-Image Analysis trends.

Requirements

- A minimum of a Masters degree (or Bachelors with 2 year experience) in biology with experience performing (image) data analysis or alternately a Physics / Computer science / data analysis background with experience working with biologists.
- Strong interest in image processing, its application in biology and experience with at least one image analysis package (preferably ImageJ/Fiji)
- Experience with at least one programming / scripting language, preferably Python (some knowledge of Java is a plus).
- Excellent communication skills and the ability to explain complex information in an easy to understand way.
- Ability to work in a multidisciplinary environment with rapidly changing projects and to multitask.
- The successful candidate will be a strong team player who is curious, creative, and rigorous.
- Fluent in English

Benefits

Contract: Scionics offers favorable contract conditions and salary based on experience.

Corporate culture: Scionics is an SME with strong ties to academia. If you work here, you will meet a lot of international people (~50% of your colleagues would be non-German) and get a good opportunity to broaden your horizons not only culturally but also with regard to modern science. The work environment in Scionics is informal and with less bureaucracy than a big corporation (but not as chaotic as a start-up).

Location: Scionics is headquartered in Dresden, a beautiful but still affordable city. The Scionics offices are located close to the river Elbe, with residential areas within walking distance. According to WirtschaftsWoche, a German business magazine, Dresden with its 500,000 inhabitants is the most dynamic city in Germany.

Company stability: Scionics is a privately held, profitable company.

Contact us

If you are interested in this position, please send your CV and any relevant documents to: bioimagejob@scionics.com with the subject "BioImage Analyst".