

OVIZIO IMAGING SYSTEMS IS LOOKING FOR A:

SENIOR BIOINFORMATICS SCIENTIST

ABOUT OVIZIO

Ovizio commercialises digital holographic microscopy solutions for the vaccine and cell therapy markets.

Ovizio's microscopes offer an automated, label-free tool designed for the real-time monitoring of suspension and adherent cell cultures.

Based on our patented 'Differential Digital Holography' technology, advanced machine learning algorithms extract meaningful quantitative data about complex cellular dynamics. Validated with almost every type of transparent cell culture vessel, Ovizio's devices can track cell density, cell viability as well as viral infection kinetics with accuracy and reproducibility at a single cell level.

We are looking to expand our AI team to develop new tools and apps to meet the market demand for added value applications of our technology (soft sensors).

YOUR ROLE AND RESPONSIBILITIES

We are looking for a senior bioinformatics scientist with a strong background in image processing & computer vision techniques, with a focus on machine learning (AI) in Life Sciences applications. A Master and/or PhD in Cell Biology with hands-on experience in laboratories, would be a plus. As a (bio-)data scientist you will be responsible for the translation of key customer needs into our software solutions, the development of novel algorithms, optimisation of existing decision systems as well as streamlining tools for the scalable processing of incoming customer requests.

You will join an innovative company dealing with cutting edge optics and machine learning software. You will be part of a multi-disciplinary team consisting of other image analysis engineers, electronics engineers, optical engineers, 3D designers and biologists.

YOUR ROLE will be to boost the output of the software team as a (bio-)data scientist :

- Establish scalable workflow and tools for our machine learning platform,
- Bring our machine learning platform to the next level (e.g. state of the art tool sets , unsupervised learning, qualified outcome, best practices)
- Improve the data presentation software to fit with our Life Sciences customer needs
- Scientific (statistical) validation of algorithms by development of efficient metrics to judge algorithm performance and reliability and execution of validation runs,
- Setup trials with customers to generate successful machine learning prediction models,
- Provide subject matter expertise throughout our software development cycle,

SKILLS

Required skills:

- Master's degree in a relevant computational field such as bioinformatics, (bio)engineering, computer science, physics, machine learning, statistics or equivalent through experience.
- Working knowledge in image processing and machine learning.
- Expertise in at least one data processing language (Python, Matlab, R) and the related data science libraries.
- Familiarity with one or more image processing libraries (eg. OpenCV) and machine learning libraries (eg. TensorFlow).
- Solid technical background in microscopy and cellular biology,
- Ability to apply data processing on biological data.
- Minimum 5 years of relevant working experience.
- Strong English communication skills,
- French and/or Flemish is a plus.

Desirable:

- Software programming skills (C++, C#).
- Familiarity with GPU optimisation platforms (eg. CUDA).
- Experience in software validation within quality systems (ISO3485/GMP).

Interpersonal skills:

- Team player and autonomous.
- Goal-oriented and flexible.
- Strong analytical skills.
- Passionate about new technologies, curious and pro-active.
- Accountable.

WORK ENVIRONMENT

Ovizio offers, on top of an attractive package, an exciting, innovative as well as challenging work environment where quality of work as well as autonomy and flexibility are key values

- Full time job in Brussels.
- Working on the crossroads of technology and Life Sciences.
- Be a key member of the development team
- Contributing to cutting edge technology.

APPLY FOR THIS JOB

To apply for this position, send your cover letter and CV to the attention of Alexandra Stevens at jobs@ovizio.com, mentioning "Senior Bioinformatics Scientist" in the subject line.