Scientist in Deep Learning and Image Analysis

About the job

Do you share our passion for applying AI and 3D imaging to advance drug discovery?

If you're skilled in image analysis and excited by the challenge of working with large, complex 3D datasets, this could be the perfect opportunity for you. Join Gubra's 3D Imaging team, where innovation, scientific rigor, and real-world impact go hand in hand.

You will collaborate with a diverse group of biologists, neuroscientists, microscopy experts, and image analysts to develop and apply AI-powered image analysis techniques—helping to uncover how novel drugs act in preclinical animal models.

Deep learning meets light sheet microscopy

We believe that whole-organ 3D imaging has the potential to accelerate drug discovery and guide the development of tomorrow's therapies.

Gubra has pioneered high-throughput light sheet fluorescence microscopy (LSFM) in rodent organs for preclinical pharmacology and established automated platforms for microscopy and image analysis.

Using this technology, we:

- Identify novel drug targets
- Characterize compound mode of action
- Evaluate therapeutic efficacy in disease models.

Our team is at the forefront of imaging innovation—supporting both internal drug discovery and contract research (CRO) services for global pharmaceutical and biotech partners.

Your role

As a Scientist in 3D Imaging, you will carry put processing and interpretation of large-scale image datasets from rodent organs.

You'll leverage your expertise in Python and deep learning to extract meaningful biological insights from complex anatomical data.

We are especially focused on brain imaging, where you will help map fluorescent signals in rodent CNS tissues to anatomical reference atlases - advancing research in CNS drug development.

Your work will also encompass other organs and tissue types, offering diversity in daily tasks.

Key responsibilities:

- Quantitative analysis of 3D LSFM data
- Development and deployment of deep learning workflows for image analysis
- Mapping and registration of fluorescent signal to anatomical atlases
- Contributing to imaging innovation and new analysis methods
- Close collaboration with cross-functional R&D teams
- Contribute actively to scientific discussions across the 3D Imaging department and beyond.

What we are looking for:

- PhD or equivalent industry experience in computer science, data science, neuroscience, or a related field. Applicants at both Scientist and Senior Scientist level are considered.
- Strong programming skills in Python
- Experience with version control tools (e.g., Git)
- Extensive experience in image analysis (e.g., light sheet microscopy, MRI, confocal)
- Experience working with large imaging datasets
- Practical experience in machine learning
- Solid understanding of statistical methods
- A curious and innovative mindset
- Excellent team player with a proactive approach to problem-solving.

Your new team - 3D Imaging

You'll join a dynamic and growing team, working in an inclusive and international environment where English is the working language. We value scientific excellence, creativity, open communication and teamwork.

We offer:

- A healthy work-life balance
- Flexible working hours
- Opportunities for professional development

- The chance to work on impactful science with real-world applications.

Contact and application

Please apply no later than 29th August 2025 by uploading your cover letter, resume (in English), and relevant diplomas on our website. Applications are evaluated on a running basis.

If you have any questions about the position, you are very welcome to contact **Urmas Roostalu**, Senior Department manager, uro@gubra.dk.

We are looking forward to receiving your application.

About Gubra

Gubra is an ambitious contract research organisation (CRO) and biotech company striving for excellence at all levels. We insist on doing things efficiently – and often differently - to reach the results we aim for. Our vision is to become leaders in the fight for a more sustainable and healthier world. We do that by facilitating the discovery of new medicine, and by acting and inspiring others to fight the ongoing climate and biodiversity crises.

Gubra's activities are focused on the early stages of drug development and are organised in two highly synergistic business areas: CRO Services and Discovery & Partnerships (D&P). We generate our revenue by performing research for life science companies as well as by partnering projects from our discovery and development pipeline.

Our therapeutic focus is within metabolic and fibrotic diseases, and we specialize in in vivo pharmacology, ex vivo assays, drug profiling, histology, stereology and whole brain and organ imaging. In addition, we offer a full palette of advanced transcriptomics. Our ML/AI-driven peptide drug discovery platform streaMLine enables us to rapidly develop a peptide hit into a non-clinical candidate ready for development. Through a constant focus on high quality, scientific excellence, speed, and solid teamwork we have established ourselves as a highly professional and competent partner in the market.

People are our greatest asset, and our team consists of +270 employees all located in Hørsholm, Denmark. The mix of people from different cultures and educational backgrounds combined with our entrepreneurial mindset have greatly impacted our working environment, which is characterized by entrepreneurial drive, scientific curiosity, and teamwork – **we join forces!**