



We are looking for a motivated **student research assistant to join our team in developing cutting-edge data analysis tools for photoacoustic imaging**

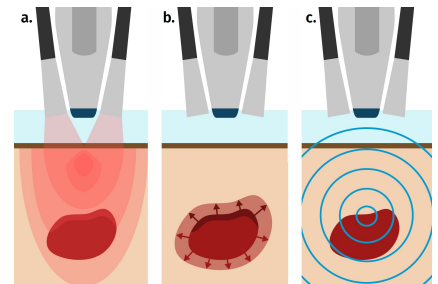
Please email Dr. Janek Gröhl (j.groehl@eni-g.de) if interested
European Neuroscience Institute Göttingen, Grisebachstr. 5

Position:

Research Assistant; ~ 10h/week (negotiable); 1 year contract; possibility for extension
Apply as soon as possible but latest by April 30th.

Unlocking New Possibilities in Disease Diagnosis

[Photoacoustic imaging](#) has the potential to non-invasively image optical tissue properties at unprecedented depths, enabling the detection of molecular changes associated with e.g. [neuromuscular degenerative diseases](#) such as Duchenne Muscular Dystrophy and Spinal Muscular Atrophy. By joining our team, you'll be contributing to the development of [innovative AI-based disease diagnostics](#), optimized [image reconstruction algorithms](#), and device [calibration techniques](#) that can improve patient outcomes.



Photoacoustic imaging: (a) light in (b) energy conversion (c) sound out.

Interdisciplinary Collaboration and State-of-the-Art Research

Our team is at the interface between medicine, medical physics, computer science, and mathematical modeling, working closely with the Department of Neurology to translate our research into clinical practice. As a researcher on our team, you'll have the opportunity to collaborate with medical and technical experts and contribute to the implementation of data-analysis pipelines, the creation of digital twins of patients and devices, as well as the fabrication of characterized imaging targets.

What we offer

- Working in an exciting new field that has direct societal impact
- State-of-the-art research combining wet- and dry-lab expertise
- A flexible working environment
- Close mentorship and guidance
- Interdisciplinary collaboration
- Professional development opportunities

What we expect

- You are an enrolled student in computer science, physics, mathematics, neuroscience, or another relevant field.
- You have basic coding skills in Python and/or MATLAB.
- You bring excellent communication and teamworking skills.
- You have the ability to work independently.

For further information or to declare interest in the advertised position, please reach out by **April 30th** to Janek Gröhl via email and attach your CV.

Contact

Dr. Janek Gröhl
j.groehl@eni-g.de