

Job opening:

3 positions related to Light Microscopy Metadata, Quality Control, and Community Management to work within the QUAREP-LiMi initiative (quarep.org)

We have three open positions (50-100%) in Light Microscopy Metadata, Quality Control, and Community Management. These roles support the development of sustainable standards, tools, and community structures for light microscopy, improving research data quality, reducing avoidable experiments due to poor instrument performance, and helping researchers and facilities keep their systems in top shape. By strengthening metadata standards, validation practices, and community coordination, the project contributes directly to ecological and resource sustainability in microscopy.

This 36-month DFG-funded collaboration brings together the University of Freiburg (Roland Nitschke), TU Dresden (Hella Hartmann), and German BioImaging – GMB e.V. (Janina Hanne). It is closely interwoven with the QUAREP-LiMi initiative.

The three upcoming positions will be:

• Lead Specialist - Light Microscopy Model (LiMiM)

Lead the harmonization and maintenance of light microscopy metadata terminology; coordinate metadata expert groups; prepare and document consensus processes; compare and integrate existing terminologies; establish and maintain the LiMiM GitHub; and engage with industry and standardization bodies (DIN, ISO).

• Lead Specialist - Validation Team

Found and coordinate the QUAREP-LiMi Validation Team; develop validation studies and SOPs for QC and impact studies of quality control procedures, support dissemination of QA & QC methods; prepare standardized samples and QC kits; connect method developers, users, and manufacturers; and help maintain the community QC data repository.

• Community Coordinator - QUAREP-LiMi

Manage and support the QUAREP-LiMi community and its infrastructure (OMERO, protocols.io, Zotero, Zenodo, WordPress); organize meetings and community activities; oversee membership data and working group coordination; contribute to communication, and co-develop strategies for long-term project continuity.

The positions will be based in Germany, ideally in Freiburg or Dresden, with the option to work in a hybrid or mobile role. We are flexible in finding solutions that work for the right candidate.

Knowledge and skills advantageous for these positions:

- Background in microscopy, imaging workflows, or light-microscopy metadata.
- Experience in computer science, IT, or data management, especially working with standards, ontologies, or GitHub-based workflows.
- Knowledge of quality assurance and quality control (QA/QC) in microscopy, including validation studies, SOP development, or standardized sample preparation.
- Experience in macro/script programming, databases (Excel, Python, e.g.) or JSON, LinkML
- Familiarity with community coordination, collaborative projects, or managing scientific working groups.
- Experience with scientific communication, documentation, and outreach within international communities.
- Openness to working in a multinational network, ideally with experience engaging academia, industry, and standardization bodies.
- Strong communication skills in English (written and spoken).

How to apply

If any of these roles spark your interest, you are warmly invited to get in touch.

Please send your application, including supporting documents (CV, motivation letter, references, certificates, and anything else that might help our decision), by 15. January 2026 at the latest, using the following form: <https://gerbi-gmb.de/machform/view.php?id=94894>

or reach it via the QR code:



In case of questions, reach out to us via the following e-mail address: position@quarep.org (redirected to Roland Nitschke, Hella Hartmann, Janina Hanne).

Subject to personal qualification, employees are remunerated according to salary group E 13 TV-L / TVöD.

We look forward to hearing from you!

Comments

Full-time positions may generally be split up into two or more part-time positions, provided that there are no formal or legal barriers. Applicants with severe disabilities (Schwerbehinderte Menschen) will be given preferential consideration in case of equal qualification. We will be particularly pleased to receive applications from women for the positions advertised here.