



## CAREERS AT IBIDI: FOCUS ON CELLS, TEAM SPIRIT AT THE HEART OF EVERYTHING

Do you like to take a close look at things? Great! Because that's the foundation of our success: We at ibidi are an innovative and rapidly expanding biotechnology company specializing in cutting-edge solutions for classical cell microscopy. Surrounded by energetic and talented like-minded colleagues who give their all in the development, production, or sales of our award-winning innovations worldwide, you'll find the ideal breeding ground for your career with us—for example, as:

## Ph.D. Position - Full-time Ph.D. Thesis temporary for 36 months (m/f/d) in our Research Department at our Gräfelfing location near Munich

### Reference Number: 08-26

This refers to the PhD position DC 13 (Vascularized brain-on-chip screen using ibidi® chip platform technology) in the framework of the EU Horizon Europe Marie Skłodowska-Curie Doctoral network CerebroMachinesTrain (<https://cmt-dn.eu/>)

Looking forward to a challenging and diverse PhD position within an international and interdisciplinary research environment, where you will actively contribute to innovative scientific projects, collaborate with leading researchers, and play a key role in advancing impactful discoveries through analytical thinking, creativity, and scientific excellence.

- Contribute to the development and characterization of advanced VRAINORG 5 models using cutting-edge ibidi® chip platform technology in an innovative research environment.
- Investigate mechanisms of neuroinflammation and cerebrovascular diseases by modelling cytokine responses as well as immune cell infiltration and interaction.
- Develop and validate a variety of experimental assays, including immunostaining, PCR, ATP and reactive oxygen species measurements, mitochondrial assays, and immune cell adhesion and migration studies.
- Support the evaluation of novel therapeutic approaches using VRAINORG 5 and contribute to generating new scientific insights across collaborative research work packages.
- Work closely with an interdisciplinary and international research team while contributing to a dynamic and collaborative scientific environment.
- Fulfil the CMT-DN DC Roles & Responsibilities applicable to all DC applicants and undertake additional duties appropriate to the level of the position.

**These qualifications, experiences, and personal strengths set you apart and make you a valuable addition to our team:**

- We are looking for a motivated and enthusiastic candidate holding a Master's degree in Biophysics, Biotechnology, Biology, or a related scientific discipline, with a strong interest in innovative biomedical research and interdisciplinary collaboration.
- Applicants should currently reside outside of Germany and be eager to work in an international and dynamic research environment as part of the CMT-DN programme requirements.
- Ideally, candidates bring hands-on experience with hydrogel matrices such as ECM and collagen, as well as practical laboratory skills in cell culture, light

microscopy, fluorescent staining, 3D cell culture, and organ-on-chip technologies.

- Experience in microfluidics, 3D printing, and CAD design would be highly advantageous and will support the successful development of advanced experimental models and research platforms.
- In addition, applicants should fulfil the CMT-DN Desirable Requirements applicable to all DC candidates and demonstrate strong communication skills, scientific curiosity, and the ability to work effectively within an interdisciplinary team.

### What do we offer you? Impressive benefits that really stand out:

- State-of-the-art laboratories, production facilities, test benches, workshops, and offices
- 30 days of vacation with a 5-day workweek
- Company pension plan (e.g., contribution to the company pension plan)
- Employee benefits (benefits card or EGYM Wellpass, Corporate Benefits)
- Regular company events such as the company outing or a visit to Oktoberfest
- Free employee parking in the parking garage
- Company health management (regular check-ups, company doctor, etc.)
- Drinks such as water, tea, and coffee, as well as snacks like fresh fruit, are provided, and there is a rooftop terrace for relaxation
- Opportunities to further develop your professional, personal, and social skills

### Does this sound like the right fit for you? Then click here and take the next step:

Application form of the network:

<https://app.smartsheet.eu/b/form/526ba651eebc453893e255b03b06024a>

also advertised centrally via EURAXESS

(<https://euraxess.ec.europa.eu/jobs/432434>)

Academic supervision of the dissertation is provided by the University of Darmstadt

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