The Institute for Bioprocessing and Analytical Measurement Techniques e.V. (iba) is focusing its research profile on "Biotechniques at Interfaces" including topics in the field of technical systems for life sciences and targeting the engineering of molecular and cellular processes for disease modeling and therapeutic approaches for patient-specific medicine. The investigation, modification and use of interfaces and interface effects aims to optimize high-throughput methods, processes, devices, systems, equipment and products for medicine, biotechnology and related areas.

The focus of the junior research group ‘3D Stem Cell Technology’ is on the use of human induced pluripotent stem cells (hiPSCs) for the generation of tissue-specific cell types. These are used, in combination with 3D-printed cell support structures (scaffolds), to produce stem cell-based 3D tissue models for use in disease modeling. The Master student will be involved in the development and characterization of a primary-cell based 3D-skin model.

**Master student (m/f/d) - Cell Biology**  
Number: 02-2023-H-3D SCT-MS

**Your Responsibilities:**
- Cultivation of primary cells and 3D tissue models.
- Generation of scaffold-based 3D co-cultivation models
- Characterization of the 3D models using cell and molecular biology methods, including RT-qPCR, flow cytometry and immunocytochemistry
- Planning and execution of experiments, data analysis, interpretation and evaluation, documentation and presentation of data

**Your profile:**
- Bachelor’s degree and current Master in biology, molecular biology, biotechnology, pharmacy or comparable training
- Experience with primary cell culture and the characterization methods aforementioned is an advantage but not a requirement
- You are a reliable, accurate and responsible person with good analytical skills and a problem-solving mindset
- Good communication skills in English (spoken and written).

**We offer:**
- An exciting and biomedically relevant research project with a duration of 6 to 12-months
- An innovative and modern working atmosphere in an interdisciplinary and internationally networked research institute
- Excellent laboratory equipment and a wide range of cutting-edge technologies.
- Compensation for expenses.

In the case of equal suitability and fulfillment of the above-mentioned requirements, applicants with a recognized disability in accordance with § 2 SGB IX will be given preferential consideration.
Are you interested in the position?

We look forward to receiving your application until 31st of June! Please send your application (CV, record of transcripts, motivation letter, references) with the number via e-mail to:

bewerbung@iba-heiligenstadt.de
Institut für Bioprozess- und Analysenmesstechnik e.V.
Rosenhof
37308 Heilbad Heiligenstadt
www.iba-heiligenstadt.de

For additional information, please contact the PhD candidate Joana Soeiro (joana.soeiro@iba-heiligenstadt.de).

Please send your application only as one PDF file. For cost reasons, application documents submitted in writing will only be returned if a sufficiently stamped return envelope is enclosed.
Your data will be processed in accordance with the data protection regulations of the DSGVO.