

The Department of Biomedical Sciences at the University of Osnabrück invites applications for a position as a

**Research assistant (m/f/d)
(Salary grade E 13 TV-L, 100 %)**

starting as soon as possible. The position is limited for a period of 12 months.

Your responsibilities:

- Participation in the research project "PDAC-BioChip" in scientific cooperation with the company Dynamic42 GmbH in Jena
- The project is funded by the Foundation "Stiftung zur Förderung der Erforschung von Ersatz- und Ergänzungsmethoden zur Einschränkung von Tierversuchen (set)"
- The main goal of the project "PDAC-BioChip" is the establishment of a human 3D tumor microenvironment-on-chip model for personalized drug testing on pancreatic ductal adenocarcinoma (PDAC)
- Reconstitution of a "blood circulation" using human microvascular pancreatic endothelial cells within the biochip
- Cellular and molecular characterization of viability and differentiation status of microfluidically supported human 3D co-culture tumor spheroids before and after blood vessel integration
- Molecular differentiation of primary human immune cells and characterization of specific surface antigens by flow cytometry and using molecular biology and biochemical methods
- Pharmacological analysis of 3D PDAC tumors after perfusion with M2 macrophages in the presence of selected drug candidates.

Required qualifications:

- The candidate must hold a very good university degree (M.Sc. or diploma) and PhD in Biology, Molecular Biomedicine, Biochemistry, or in a related field.
- Profound practical experience in fluorescent microscopy as well in biochemical and molecular biological methods is mandatory.
- Excellent command in written and spoken English
- Outstanding motivation to work proactively, goal-oriented and collegially in an inter- and transdisciplinary team
- Structured working approach and efficient working attitude.

Desirable qualifications:

- Excellent communication skills
- Willingness to face qualitatively and quantitatively high work demands
- Readiness to travel between the two research sites
- Rudimentary experience in organ-on-chip and microfluidics

We offer:

- An ambitious, competitive and applied research project.

- Collaboration in an interdisciplinary research team.

Osnabrueck University has been certified as a family-friendly university committed to helping working/studying parents and careers balance between family and work life.

The university aspires to ensure equal opportunities for men and women and strives to work towards a gender balance in schools or departments where new appointments are made.

If equally qualified candidates apply, preference will be given to those with special needs.

Please send your application (including a letter of motivation, CV, copies of certificates, as well as names and contact details of 2 referees) as one PDF file via Email to **bewerbungigb@uni-osnabrueck.de** with the **subject line „Postdoc-BMG 3“**.

Application deadline is **July 25th 2021**.

For further information, please contact Prof. Dr. Nicole Teusch (email: nicole.teusch@uni-osnabrueck.de).