Patient Avatar-3D-Training - Academy & HIWI Position

Unit for 3D-Patient Avatars & Personalized Medicine

Development & Imaging Unit of Patient Derived 3D Cell Culture Models to test novel Therapeutics and Personalized Treatment Strategies

In our Unit, we develop "Patient Avatar 3D-Models" for example: spheroids & organoids from patient material. These model systems are known to mimic the heterogeneity and complexity of patients tumors and are therefore often used as models to predict therapy responses & investigate novel therapeutic options. For our team we are searching for highly motivated students interested in getting a comprehensive training & support our work.

Target Group / Applicants

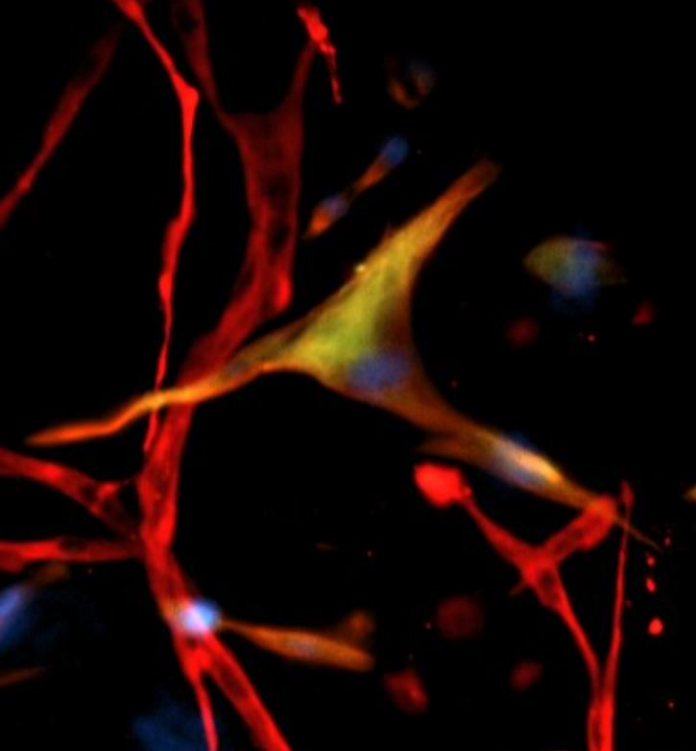
Students of Life Sciences & Science & Medicine
(Biochemistry, Biology, Medical Life Sciences, Bioinformatics, Informatics, Medicine, Dentistry)

Overview: Training & HIWI

Basic & Specialized Training: 8-12 weeks full-time, depending on prior knowledge; basic training can be partly integrated into study-related mandatory internships
Payed Work (HIWI): We are flexible, individual adaption of hours & time frames based on needs & study schedule requirements, please indicate your wishes in the application. Max. hours equivalent to 22h/month (1 year).

Specialization Tracks & Potential Tasks

I) Advanced Cell Culture 3D-Track: FISH, flow cytometry, imaging, stainings, IHC
II) Bioinformatics & Imaging Track: image recognition - AI training, automation
III) Translational Track: clinical follow-up, biomarker, EV
General Lab Procedures: 2D & 3D cell culture, ELISA, western blot,
preparation of samples for proteomics, sequencing & other downstream analysis



Application

Letter of Motivation (1 page): tell us, how you can support us, which methods / tracks you are interested in and why
CV (1-2 pages): please indicate all lab experience you have
Timescale (up to 1 page)**: t**able or timeline indicating the time you can invest before initiation of your master thesis / doctoral thesis, including full time availability (semester holidays) & part time availability during semester in hours, please include potential time frames you could perform your internship

Please send your application (1 combined PDF) until 14.04.2026 to nina.hedemann@uksh.de

Contact

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