

Master Thesis Opportunity – Bioprinting of a 3D Model

We are looking for a highly motivated master student excited about learning novel state-of-the-art methods in a collaborative and supportive research group! The work focuses on the development of a bioprinted 3D model as an alternative to animal experiments.

The project offers the opportunity to contribute to the design and optimization of this model, while also bringing in your own ideas and approaches. The position requires independent and self-driven work, as well as genuine interest in innovative cell culture systems and bioengineering.

What you can expect:

- Hands-on experience with 3D bioprinting (extrusion-based bioprinter) and a variety of molecular biology techniques, including cell culture, western blot, co-immunoprecipitation, proliferation and apoptosis assays, Extracellular vesicle isolation and characterization, as well as flow cytometric analysis.
- Contribution to the development of a novel *in vitro* model
- Analysis of extracellular vesicle signaling within this model
- Space for your own creativity and scientific input

Requirements:

- Background in biology, biotechnology, bioengineering, or related fields
- Motivation to work independently in the lab
- Interest in replacing animal models with innovative alternatives

To apply please send a CV, a cover letter and potential recommendation letters/referee contacts to:

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