Karlsruher Institut für Technologie

Department for Experimental Biophotonics
Institute of Biological and Chemical Systems
Prof. Dr. Moritz Kreysing

Master's project for Biology Students

Hyalinobatrachium yaku

Project GHOSTs: Imagine peering deep into living tissues with incredible clarity! Join our ERC-funded "Genetically Enhanced, Optically Superior Tissues" (GHOSTs) project and be part of a groundbreaking revolution in biophotonics.We're pushing the boundaries of what's possible by making mammalian cells as transparent as glass! Our goal is to enhance *in-vivo* microscopy and unlock unprecedented views into cellular life.

What You'll Do:
- Get hands-on in our cutting-edge lab, working to make living tissues transparent.
- Use advanced techniques in cell and tissue biology to uncover key molecular pathways.
- Collaborate with a passionate team and contribute to impactful scientific publications.
-Some of the techniques you would use include, FACS, mammalian cell culture, high-throught assay development and data analysis.

Your Profile:
- Master level qualifications in Biology or Bioengineering,
- a strong interest cell and tissue biology.
- an interest or some knowledge in programming (e.g python)
- A "can-do" attitude with a love for practical lab work and problem-solving.
- Good communication skills and the ability to work well in a team.

Ready to Apply?
Seize this incredible opportunity to contribute to transformative research!

For more information and to apply, contact:
Dr. Venkat R Krishnaswamy
Email: Venkat.krishnaswamy@kit.edu

Join us and help illuminate the future of biological research!

Ghosts

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Supervisor: Prof. Moritz Kreysing and Dr. Venkat R Krishnaswamy

Start date: as soon as possible