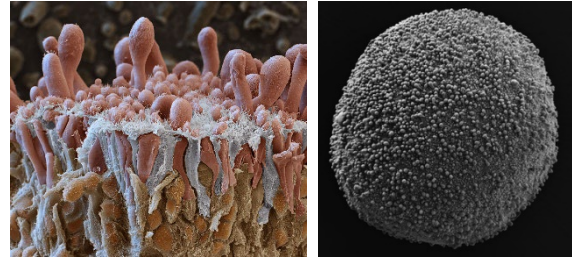




The **Institute of Neuroanatomy and Developmental Biology** is searching for



## **Doctoral Student/PhD Candidate (m/f/d, TVL E13, 50%), Stem Cell and Neurobiology**

The positions are available from now on and are planned for 3 years.

**The candidate will work on the development of a new RNA-based therapy to treat Retinitis Pigmentosa caused by a CRB1 mutation and test it on induced pluripotent stem cell derived retinal organoids and other in vitro models.**

More information on the project can be found here:

<https://www.spp2127.de/gene-therapies/achberger-stafforst>

The methods used in the projects are e.g. cell culture and differentiation, cell reprogramming, bioengineering, immunocytochemistry, RNA-based analysis methods or Flow Cytometry/FACS analysis. The candidate can receive a Dr. rer. nat. by joining the Graduate School program (Neuro Graduate School of Tübingen).

Requirements:

- A Master degree in life science/molecular biology or comparable
- Experience in stem cell culture (human iPSC) and molecular biology techniques (e.g. qPCR, Immunocytochemistry) is advantageous
- Excellent English and communication skills are mandatory due to our international team

Our young working group is committed to develop and apply new in vitro models derived from human induced pluripotent stem cells. In particular, we are interested in retinal organoids and our novel model system, the retina-on-a-chip, as tools for disease modelling and drug screening. Please find more details on our webpage:

<https://www.indb.uni-tuebingen.de/>.

The University of Tübingen is particularly interested in increasing the number of women in research and teaching and therefore strongly encourages women candidates to apply. In line with its internationalization agenda, the University welcomes applications from researchers outside Germany. Applications from equally qualified candidates with disabilities will be given preference.

Please send the application documents only as a single merged PDF file including letter of motivation, CV, copies of degree certificates and recommendation letters before **25th of May, 2022** to: **Kevin.Achberger@uni-tuebingen.de**