

LUKAS FINZEL

SCHIRMERSTRASSE 18 · 04318 LEIPZIG · ☎ +49-1520-6179727 · ✉ LUKAS-FINZEL@WEB.DE

Curriculum Vitae

Personal Information:

Full name: Lukas Finzel
Date of birth: 19/09/1994
Place of birth: Leipzig
Nationality: German

Education:

10/2015 – 09/2017 **M. Sc. Biochemistry, focus topic: biomedicine**
Leipzig University

Final grade: excellent (1,4)

Thesis: Development of a multimodal bioelectrical monitoring system for use in in-vitro cytotoxicity testing of hiPS-derived electrogenic cells. (original title: Entwicklung eines multimodalen bioelektronischen Monitoring-Systems für die in-vitro Zytotoxizitätsanalyse von hiPS abgeleiteten elektrogenen Zellen. supervised by Prof. Dr. Andrea Robitzki.)

10/2012 – 09/2015 **B. Sc. Biochemistry**
Leipzig University

Final grade: good (1,9)

Thesis: Temperature-responsive layers of polymer and hydrogels to modulate cell adhesion. (original title: Temperaturgeschaltete Polymer- und Hydrogelschichten zur Steuerung der Zelladhäsion. supervised by: Prof. Dr. Tilo Pompe.)

08/2004 – 07/2012 **Abitur**
Wiprecht-Gymnasium Groitzsch

Final grade: excellent (1,5)

Research experience:

04/2018 – Present **Graduate Research Assistant**
Department of Molecular Imaging in Neurosciences,
Paul Flechsig Institute of Brain Research, Leipzig

Task area: Cytological and histological analysis of neurodegenerative diseases (mainly Alzheimer's disease) with immunological and chemical staining and molecular biology

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10/2017 – 03/2018

Graduate Research Assistant

Department of Physiological Diversity,
Helmholtz Centre for Environmental Research, Leipzig

Task area: Elemental analysis of plant matter

09/2016 – 02/2017

Research Internship Abroad

School of Life Sciences, Department of Biotechnology,
Tongji University, Shanghai

Project work: Epigenetic impact of Tet3 knock-out and overexpression on the differentiation of MEF-derived murine iPSC to NPC. (written in English. supervised by: Prof. Gao Shaorong.)

Interests:

Developmental biology, stem cells, astrobiology, scientific communication

Essential lab skills:

Cell culture · eukaryotic and stem cell lines (human, murine), neural and cardiac differentiation protocols, cell preparation and fixation, microtomy

Molecular biology · gel electrophoresis, western blot, PCR (RT-, qPCR)

Electrophysiology · field potential, cell impedance

Immunological and chemical staining

Microscopy · fluorescence, live-cell, LSM, AFM, calcium imaging

Language skills:

German · native

English · B2, proficient use

French · B1, basic use

Chinese · A2, basic use

Software skills:

Text processing · Word, LaTeX

Statistical processing · Excel, GraphPad PRISM, R

Image processing and presentation · ImageJ, Photoshop, PowerPoint

Citation management · Citavi