

Curriculum Vitae

Laura Grunewald

Personal Details

Date of Birth	06.10.1990, Schwerin
Nationality	German
BSc	Molekulare und Technische Medizin (Molecular and Technical Medicine, Hochschule Furtwangen University, Germany, 04/10/2010 – 28/02/2014)
MSc	Molecular Medicine (Georg-August-Universität Göttingen, Germany, 06/10/2014 – now)

Laboratory Experiences

- **Proteomics** Protein extraction, protein fragmenting, 2D- electrophoresis, SDS Page, analysis, BCA, Bradford Assay
- **Molecular biology** DNA/RNA extraction, gel electrophoresis, PCR, RT-PCR, qPCR different kinds of chromatography, ELISA, western/northern blotting, flow cytometry, FACS analysis, MACS dissociation and separation, OCT4 nucleofection, Langendorff isolation, confocal microscopy, IHC, IF-staining, ChIP assay, PLA, MS-MS, immunoprecipitation
- **Micro biology** Cultivation and identification of micro organisms
- **Cell/Tissue culture** growing (under special conditions Normoxic/Hypoxic) differentiation, passaging of different cancer cell lines (SNB19, UPLBM, UPLBM2, UP007, U838, MSU, A5 IL 6, H838, HepG2, AMCM/CF), Transfection lentivirus, electroporation, hanging drop assay, STAP assay, co-culture, hybridomas, live-cell imaging (EB3 assay)
- **Animal work** FELASA B certificate (English), coloscopy of mice, preparation for Langendorff (cardiology)

Experiences

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|--------------------------|---|
| 11/2016 – now | Charité Universitätsmedizin Berlin, Department Oncology and Hematology, BSIO stipend candidate, PhD |
| 11/2015 – 06/2016 | Human Genetics Department - University Medical Center Goettingen (Goettingen, Germany), Master Thesis |
| 08/2015 – 09/2015 | Bioprocessing Technology Institute, Agency for Science Technology and Research (A*STAR, Singapore), exchange practical laboratory rotation (Stem Cell Department) |
| 03/2015 – 04/2015 | University Medical Center Goettingen (Goettingen, Germany), practical laboratory rotation (Cellular Oncology) |
| 12/2014 – 01/2015 | University Medical Center Goettingen (Goettingen, Germany), practical laboratory rotation (Pharmacology) |
| 05/2014 – 08/2014 | University of Portsmouth (England, United Kingdom), Research placement (Neuro-Oncology) |
| 09/2013 – 03/2014 | Heinrich-Heine Universität Düsseldorf, Uniklinikum, ISRM Institut für |

Stammzellforschung und Regenerative Medizin

08/2013

LAP Laser Lüneburg, Germany

09/2012 – 03/2013

University of Portsmouth (England, United Kingdom), Research placement (Neuro-Oncology)

Publications

**2013 Conference
Paper,
Neuro Oncology**

Donovan, L. Birks, S. Grunewald, L. Zmuda, F. and Pilkington, G. Induction of the astrocytic lineage pathway selectively enhances the chemotherapeutic potential of Temozolomide and Clomipramine in stem-cell enriched paediatric glioblastoma. In: Neuro Oncology. April 2013.

Rewards, Stipends

BSIO 2016

Berlin School of Integrative Oncology for PhD studentship