Dr. Philipp Schneider · Laboratory of Systems Cancer Immunology · Charité Berlin · E-Mail: philipp.schneider2@charite.de

Curriculum Vitae

Personal data

Name	Philipp Schneider
Title	*Dr. rer. nat.*; Diplom-Biologe
Address	Laboratory of Systems Cancer Immunology Charité Universitätsmedizin Augustenburger Platz 1 13353 Berlin E-Mail: philipp.schneider2@charite.de

Current activity

since 2022.06 Postdoctoral fellow	**Charité Universitätsmedizin** **Laboratory of Systems Cancer Immunology** Max Eder Group led by Benjamin Ostendorf, MD PhD Germline variation in anti-tumor immunity Single cell genomics in anti-tumor

IT training

2022.04 - 2022.05 Training	**alfatraining Bildungszentrum GmbH** **Relational databases with SQL** Basics of database system, Introduction into DDL, Introduction into DQL, DML commands, DCL - Data Control Language, Introduction into T-SQL programming, Introduction into MS Access, final exam: practical project work
2021.02 - 2021.09 Training	**CQ Beratung+Bildung GmbH** **Applied bioinformatics and biostatistics** Introduction into Linux and Bash, programming basics, Introduction into Python programming language, object-oriented programming NCBI and interaction databases, Biopython: Web Services, database management, relational database model, SQL Sequence analysis, sequencing strategies, pairwise and multiple alignments, variants of BLAST, structural bioinformatics, visualization of structures, automated image recognition, NGS data analysis Statistical evaluations with R / RStudio, basics of statistic, descriptive and multivariate statistics, variance, principal component, cluster and discriminant analysis, concepts of machine learning (Markov chain implementation in Python), artificial neural networks Application of the learnt knowledge within an individual project phase

2016.02 - 2016.05 Training	**future Training & Consulting GmbH** Basic and advanced programming with Python, project management

Professional background

2016.06 - 2020.12 Scientific employee	**Federal Environment Agency (Umweltbundesamt)** **Section IV 2.4 Ecotoxicological Laboratory** Coordination and execution of aquatic ecotox tests Instruction of technical stuff as Study Director according to GLP IT officer of the GLP testing facility Verification of the compatibility of the *Daphnia magna* reproduction test for determining the ecotoxicity of new generation steroid hormones Optimization of the multigenerational *Daphnia magna* reproduction test for determining the ecotoxicity of substances in small concentrations over long periods of time Determining the aquatic ecotoxicity of nanomaterials with various test systems (*Daphnia* acute, chronic, multigenerational; duckweed; zebrafish embryos; green algae) Establishment of the multigenerational *Daphnia magna* reproduction test Poster and short presentation (SETAC GLB annual meeting 2018 „Umwelt 2018”)
2015.01 - 2016.01 Scientific employee	**VDI/VDE Innovation + Technik GmbH** **Division communication systems and human-computer interaction** Project sponsorship “Health Economy – Biotechnology and Pharma” (BMBF): Consulting of the BMBF, Evaluation of scientific projects, Support of the receivers of subsidies "EXIST – Existenzgründungen aus der Wissenschaft" (BMWi): Evaluation of grant applications

Academic background

2010.08 - 2014.09 Doctoral fellow Biomedical science	**Philipps-Universität Marburg** **Institute of Molecular Biology and Tumor Research** “Charakterisierung von DYRK1A als nicht-kanonischer Modulator des Hedgehog-Signalwegs”; supervisor: Dr. M. Lauth
2009.12 - 2010.07	**Application and preparation phase for the doctorate**
2004.10 - 2009.11 Diploma Biology	**Goethe-Universität Frankfurt am Main** **Major subjects:** Neurobiology, Cell and developmental biology, Genetics **Diploma thesis at the Paul-Ehrlich-Institut:** “Analyse der c-Abl vermittelten α-Actinin 4 Phosphorylierung”; supervisor: Prof. Dr. S. Weßler
1995.09 - 2004.06 Allgemeine Hochschulreife	**Spessart-Gymnasium Alzenau**

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Publications

Schneider, P., Bayo-Fina, J.M., Singh, R., Dhanyamraju, P.K., Holz, P., Baier, A., Fendrich, V., Ramaswamy, A., Baumeister, S., Martinez, E.D., et al. (2015a). Corrigendum: Identification of a novel actin-dependent signal transducing module allows for the targeted degradation of GLI1. Nat Commun 6, 8741.

Schneider, P., Bayo-Fina, J.M., Singh, R., Kumar Dhanyamraju, P., Holz, P., Baier, A., Fendrich, V., Ramaswamy, A., Baumeister, S., Martinez, E.D., et al. (2015b). Identification of a novel actin-dependent signal transducing module allows for the targeted degradation of GLI1. Nat Commun 6, 8023.

Tariki, M., Wieczorek, S.A., **Schneider, P.**, Bänfer, S., Veitinger, S., Jacob, R., Fendrich, V., and Lauth, M. (2013). RIO kinase 3 acts as a SUFU-dependent positive regulator of Hedgehog signaling. Cell. Signal. 25, 2668–2675.

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