

Daniel Bleher

Personal Data

Status/Function:		PhD Student
Scientific focus:		Neurodegenerative Diseases (Alzheimer) Development and Evaluation of Novel Radiotracers
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Education and qualifications

2013-2016	Bachelor of Science (Biochemistry) University of Tuebingen, Germany
2017-2020	Master of Science (Biochemistry) University of Tuebingen, Germany
September 2020 - present	PhD candidate Werner Siemens Imaging Center Department of Preclinical Imaging and Radiopharmacy University of Tuebingen, Germany

Work Experience

2016	Bachelor Thesis Project: Impact of high energy diet, training and insulin resistance on respiratory chain function in skeletal muscle and liver Group: Clinical Chemistry Central Laboratory, Department of Diagnostic Laboratory Medicine, University Hospital Tuebingen, Germany
2019-2020	Master Thesis Project: In vitro Evaluation of a potential PET Radiotracer selective towards vascular Amyloid β Group: Department of Preclinical Imaging and Radiopharmacy, University Hospital Tuebingen, Germany
Specific practical experience	High-Resolution Respirometry X-Ray Crystallography Protein Expression and Purification Fluorescence Spectroscopy Fluorescence Microscopy Transmission Electron Microscopy Radioligand Binding Assay PET-Tracer Evaluation Histology

Teaching Experience

2014 – 2019	Chemistry for medical students (lab and seminar)
2015 – present	Private tutoring in Biology, Chemistry, Physics, Mathematics for high school students
2016 – 2020	Biochemistry II for molecular medicine (lab and seminar)
2017 – present	Chemistry for dental and medical students (lecture)
2017 – present	Private tutoring and exam preparation (private): Chemistry for dental and medical students Biochemistry I for dental and medical students Biochemistry II for medical students
2018 – present	Chemistry for dental students (lab and seminar)
2019	Biochemistry I for medical students (lab and seminar)

Additional Qualifications and Skills

Language skills:	German: C2 (mother tongue) English: C1 (fluent / master's degree in English) French: B2 (7 years in school / Abitur examination)
IT qualification:	Advanced: MS Office, Origin, Graphpad, PyMOL, ImageJ, ChemDraw, Axiovision, FLWinLab Basic: UNIX, Python, SPSS, Coot, ccp4, WinTem

Semester representative and speaker of the bachelor's degree course in biochemistry at the University of Tuebingen (2013-2016).

Student member in the examination committee of biochemistry (M.Sc.), as adopted by the faculty council (2018-2029).

Leadership of the student council of biochemistry at the University of Tuebingen (Fachschaft Biochemie Tübingen e.V. or FSBC), a registered voluntary charitable organization ('eingetragener gemeinnütziger Verein') listed in the register of associations ('Vereinsregister' No. 381720).

Since 2013:	Member of the FSBC
2016 – 2020:	Executive board member
2017 – 2020:	Chairman
2019:	Treasurer
2014 – 2018:	Chief organizer of the biochemist festival ('Biochemikerfest') in Tuebingen, one of the largest student parties in the region for 30 years.
2016 – 2019:	Founder and chief organizer of the biochemistry student council party ('Clubhausfest')
2017 – 2019:	Chief organizer of various events by the student council of biochemistry.
2019:	Host of the state student council meeting ('Landesfachschaftentagung') of chemistry in the state of Baden-Wuerttemberg, Germany.

Publications

Lisa Kappler; Miriam Hoene; Chunxiu Hu; Christine von Toerne; Jia Li; Daniel Bleher; Christoph Hoffmann; Anja Böhm; Laxmikanth Kollipara; Hans Zischka; Alfred Koenigsrainer; Hans-Ulrich Haering; Andreas Peter; Guowang Xu; Albert Sickmann; Stefanie M Hauck; Cora Weigert; Rainer Lehmann "Linking bioenergetic function of mitochondria to tissue-specific molecular fingerprints." *American Journal of Physiology-Endocrinology and Metabolism* 317, no. 2 (2019): E374-E387.

2018 Impact Factor: 4.125; <https://doi.org/10.1152/ajpendo.00088.2019>

Stotz, Sophie, Daniel Bleher, Hubert Kalbacher, and Andreas Maurer. "Grassystatin-derived peptides selectively inhibit cathepsin E and have low affinity to cathepsin D." *Biochemical and Biophysical Research Communications* 527, no. 1 (2020): 238-241.

2018 Impact Factor: 2.705; <https://doi.org/10.1016/j.bbrc.2020.04.070>

Buss S; Kuebler L; Maurer; Bleher D; Schmidt F; Leonov; Ryazanov S, Kirik D, Giese, Griesinger C, Pichler B, Herfert K. "In Vitro and In Vivo Evaluation of a Potential PET Tracer Targeting α -Synuclein Aggregation in the Brain" (2019)

Presented at the World Molecular Imaging Conference 2019 (Montréal, Canada)

Invited Talks

Conferences and Courses attended

2017

Tutor schooling for a permission to teach medical students

Professional Memberships

Research Grants and Fellowships

Awards and Honours
