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Date of Birth: 12/09/1994 Nuremberg

Nationality: German

### Studies and working experience

11/2023 – Postdoctoral fellow at Liang Laboratory (NTU (National Taiwan University) Taipei)

- Development and synthesis of antibody drug conjugates

09/2023 Doctoral degree (Dr. rer. nat.) (Predicate: magna cum laude)

02/2020 – 06/2023 Ph.D. student in medicinal chemistry at Heinrich Laboratory (FAU (Friedrich-Alexander-Universität) Erlangen-Nürnberg)

- Synthesis and characterization of subtype selective D<sub>4</sub> receptor ligands and functionalized derivatives thereof
- Synthesis and characterization of fluorescent dyes and dye conjugates (antibiotics, mitragynin, D<sub>4</sub> receptor ligands)
- Organization of pharmacy student internships and exams
- Teaching of undergrad students

12/2019 3<sup>rd</sup> states examination and approbation as pharmacist (Grade: 1.5)

05/2019 – 11/2019 2<sup>nd</sup> half of the practical learning year for pharmacists at Medicon Apotheke am Plärrer (Nuremberg)

11/2018 – 04/2019 1<sup>st</sup> half of the practical learning year for pharmacists at Klinikum Amberg (hospital pharmacy)

10/2014 – 10/2018 Studies in pharmacy at the FAU Erlangen-Nürnberg  
Degree: 2<sup>nd</sup> states examination for pharmacists (Grade: 1.0)  
(Lesmüller Award for excellent scoring in the 2<sup>nd</sup> states examination for pharmacists)

12/2013 – 06/2014 Mandarin training center NTNU Taipei  
Chinese language course

### Social & Graduate Schools

12/2020 – 09/2023 Scholarship holder at the Studienstiftung des Deutschen Volkes (German Academic Scholarship Foundation)

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- 07/2020 – 06/2023 Member of the Emil-Fischer-School
- 02/2020 – 03/2023 Associated member of the GRK1910 graduate program on the topic: "Selective GPCR-Ligands"
- 04/2018 – 10/2018 Tutor teaching for the 8<sup>th</sup> Semester of pharmacy in medicinal chemistry

## Publications & Presentations

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- 07/2023 **Electrophotographic 3D printing of pharmaceutical films**  
S.-P. Kopp, V. Medvedev, K. Tangermann-Gerk, N. Wöltinger, R. Rothfelder, **F. Graßl**, M. R. Heinrich, P. Januskaite, A. Goyanes, A. W. Basit, S. Roth, M. Schmidt, *Addit. Manuf.*, **2023**, 73, 103707.
- 07/2023 **Exploring structural determinants of bias among D4 subtype-selective dopamine receptor agonists**  
**F. Graßl**, L. Bock, Á. Huete-Huerta González, M. Schiller, P. Gmeiner, H. Hübner, M. R. Heinrich, *J. Med. Chem.*, **2023**, 66, 14, 9710-9730.
- 05/2023 **Tuning the Polarity of Antibiotic-Cy5 Conjugates Enables Highly Selective Labeling of Binding Sites**  
**F. Graßl**, M. B. Konrad, J. Krüll, A. Pezerovic, L. Zähle, A. Burkovski, M. R. Heinrich, *Chem. Eur. J.*, **2023**, 29, 45.
- 05/2023 **Identification and Quantification of Resveratrol and Its Derivatives in Franconian Wines by Comprehensive Liquid Chromatography–Tandem Mass Spectrometry**  
L. Hoferer, V. Rodrigues Guimaraes Abreu, **F. Graßl**, O. Fischer, M. R. Heinrich, S. Gensberger-Reigl, *ACS Food Sci. Technol.* **2023**, 3, 6, 1057-1067.
- 02/2023 **Behavioural effects of APH199, a selective dopamine D4 receptor agonist, in animal models**  
D. Chestnykh, **F. Graßl**, C. Pfeifer, J. Dülk, C. Ebner, M. Walters, S. von Hörsten, J. Kornhuber, L. S. Kalinichenko, M. Heinrich and C. P. Müller *Psychopharmacology* **2023**, 240, 1011-1031.
- 09/2022 **Poster presentation** at EFMC young medicinal chemistry symposium in Nice, France: "Exploring bias among D4 subtype-selective dopamine receptor ligands"
- 07/2022 **Short lecture** at Emil-Fischer-School research day: "Exploring bias among D4 subtype-selective dopamine receptor ligands"
- 11/2021 **Short lecture** at the "Herbstforum Gesellschaft & Natur" of the German academic Scholarship Foundation: "Von Wirkstoffen aus Altarzneimitteln zu Diagnostika für die Antibiotika-Forschung (From active substances from old medicines to diagnostics for antibiotic-research)"
- 08/2021 **Short lecture** at the GRK1910 retreat: "Novel D<sub>4</sub> receptor ligands: How to exit the binding pocket"