



## Group

### Research group of Prof. Richter Assencio

Prof. Dr. med. vet. Franziska Richter Assencio  
Dept. of Pharmacology, Toxicology and Pharmacy  
University of Veterinary medicine  
Bünteweg 17  
30559 Hannover  
[Send email](#)

### Postdocs and Senior Scientists

#### [Dr. Birthe Gericke](#)

##### Biologist

##### Methods:

- Cell culture
- Molecularbiology
- Proteinbiochemistry
- Immunostaining and confocal fluorescence microscopy
- Implications of regulatory mechanism of the drug efflux transporter P-glycoprotein on the effect of pharmaceutical drugs in an *in vitro* model of the human blood brain barrier

#### [Christopher Käufer, Ph.D.](#)

##### Veterinarian

##### Projects:

- Neuroinfectiology: Mechanisms of virus encephalitis-induced seizures and epilepsy

##### Methods:

- Behavioral phenotyping of rats and mice
- Animal models for seizures and epilepsy
- Infection models in rodents
- In vivo pharmacology
- Immunohistochemical characterization of CNS

#### [Alina Schidlitzki, Ph.D.](#)

##### Projects:

- New pharmacological strategies for epilepsy prevention and the treatment of pharmacoresistant epilepsies.

##### Methods:

- Animal models for seizures and epilepsy
- *In vivo* pharmacology
- Behavioral pharmacology

#### [Milo Stanoilovic, Ph.D.](#)

##### Projects:

- Novel therapeutic strategies for Parkinson's disease via miRNA replacement

##### Methods:

- Behavioral phenotyping of rats and mice
- Animal models for neurodegenerative diseases
- In vivo pharmacology
- Immunohistochemical characterization and unbiased stereology
- Neuromodulation: chemogenetics and optogenetics

#### [Norelle Wildburger, Ph.D.](#)

##### Project:

Neurodegeneration and Neuroinfectiology:

How complex gut-brain interactions evolve from the molecular to the mesoscale level of the neural circuitry and ultimately into

disease manifestation.

Methods:

- Behavioral phenotyping of mice
- Animal models for Parkinson's disease (PD)
- Gut microbiome and PD
- Top-down mass spectrometry of alpha-synuclein and other pathologically relevant proteins
- Mass spectrometry imaging of human PD tissue and animal models of PD
- Biomarkers for PD
- Electrophysiology of PD animal models

**Ph.D. students, Doctorate students**

Leonie Baldauf, Veterinarian

Anna-Sophia Hartke, Biologist

Anja Schulz, Veterinarian (extern, Uni-Leipzig)

Anika Lüttig, Veterinarian (extern, Uni-Leipzig)

Zifeng Xia, MSc (extern, LIN Magdeburg)

**Master students**

-

**Technical staff**

Ivo Denden

Martina Gramer

Edith Kaczmarek

Silas Staats

Jessica Wenzl

*You are here:* [Clinics & Institutes](#) > [Institutes](#) > [Department of Pharmacology, To...](#) > [Research](#) > [Research group Prof. Richter A...](#) > [Group](#)

---

Dieses PDF-Dokument wurde dynamisch auf [www.tiho-hannover.de](http://www.tiho-hannover.de) erstellt.

Letzte Aktualisierung dieses Dokumentes: 2. October 2020

© Stiftung Tierärztliche Hochschule Hannover, Bünteweg 2, 30559 Hannover, Phone: +49 511 / 953 - 60