



MEDIZINISCHE  
FAKULTÄT

# Publikationsbericht 2024

Institut für Inflammation und Neurodegeneration

# INSTITUT FÜR INFLAMMATION UND NEURODEGENERATION

## 1. LEITUNG

Prof. Dr. rer. nat. habil. Ildiko Rita Dunay

## 2. VERÖFFENTLICHUNGEN

### BEGUTACHTETE ZEITSCHRIFTENAUFsätze

**Besteher, Bianca; Rocktäschel, Tonia; Garza, Alejandra P.; Machnik, Marlene; Ballez, Johanna; Helbing, Dario; Finke, Kathrin; Reuken, Philipp Alexander; Güllmar, Daniel; Gaser, Christian; Walter, Martin; Opel, Nils; Dunay, Ildikò Rita**

Cortical thickness alterations and systemic inflammation define long-COVID patients with cognitive impairment  
Brain, behavior and immunity - Orlando, Fla. [u.a.]: Elsevier, Bd. 116 (2024), S. 175-184  
[Imp.fact.: 8.8]

**Binder, Luisa B.; Rosa, Priscila B.; Sousa, Bárbara M.; Chagas, Luana S.; Dubljević, Olga; Martineau, Fanny Sandrine; Mottarlini, Francesca; Castany, Sílvia; Morton, Lorena; Krstanović, Fran; Tassinari, Isadora D.; Choconta, Jeiny L.; Pereira-Santos, Ana Raquel; Weinhard, Laetitia; Pallegar, Praveen N.; Vahsen, Björn Friedhelm; Lepiarz-Raba, Izabela; Compagnion, Anne-Claire; Lorente-Picón, Marina**  
Neuro-immune interactions in health and disease - insights from FENS-Hertie 2022 Winter School. Editorial  
European journal of neuroscience - Oxford [u.a.]: Wiley, Bd. 59 (2024), Heft 8, S. 1977-1992  
[Imp.fact.: 2.7]

**Cangalaya Lira, Carla Marcia; Sun, Weilun; Stoyanov, Stoyan; Dunay, Ildikò Rita; Dityatev, Alexander**  
Integrity of neural extracellular matrix is required for microglia-mediated synaptic remodeling  
Glia - Bognor Regis [u.a.]: Wiley-Liss, Bd. 72 (2024), Heft 10, S. 1874-1892  
[Imp.fact.: 5.4]

**Garza, Alejandra P.; Wider-Eberspächer, Elisa; Morton, Lorena; Ham, Marco Adrianus van; Pállinger, Éva; Buzás, Edit I.; Jänsch, Lothar; Dunay, Ildikò Rita**  
Proteomic analysis of plasma-derived extracellular vesicles - pre- and postprandial comparisons  
Scientific reports - [London]: Springer Nature, Bd. 14 (2024), Artikel 23032, insges. 12 S.  
[Imp.fact.: 3.8]

**Khoshneviszadeh, Mahsima; Henneicke, Solveig; Pirici, Daniel; Senthilnathan, Akilashree; Morton, Lorena; Arndt, Philipp; Kaushik, Rahul; Norman, Oula; Jukkola, Jari; Dunay, Ildikò Rita; Seidenbecher, Constanze; Heikkinen, Anne; Schreiber, Stefanie; Dityatev, Alexander**  
Microvascular damage, neuroinflammation and extracellular matrix remodeling in Col18a1 knockout mice as a model for early cerebral small vessel disease  
Matrix biology - Amsterdam [u.a.]: Elsevier, Bd. 128 (2024), S. 39-64  
[Imp.fact.: 4.5]

**Müller, Patrick; Herzog, Maximilian; Duderstadt, Yves; Kunz, Matthias; Lechner, Katharina; Meyer, Frank; Schmeißer, Alexander; Meißler, Saskia; Ahrens, Dörte; Neumann, Katja; Mattern, Hendrik; Speck, Oliver; Behme, Daniel; Dunay, Ildikò Rita; Seeland, Ute; Schreiber, Stefanie; Braun-Dullaes, Rüdiger**  
Kardiovaskuläre Prävention in Sachsen-Anhalt - Notwendigkeit und neue Perspektiven - Cardiovascular prevention in Saxony-Anhalt - necessity and new perspectives  
Die Innere Medizin - Berlin : Springer Medizin, Bd. 65 (2024), Heft 11, S. 1137-1146  
[Imp.fact.: 0.6]

**Schreiber, Stefanie; Arndt, Philipp; Morton, Lorena; Garza, Alejandra P.; Müller, Patrick; Neumann, Katja; Mattern, Hendrik; Dörner, Marc; Bernal, Jose; Vielhaber, Stefan; Meuth, Sven; Dunay, Ildikò Rita; Dityatev, Alexander; Henneicke, Solveig**

Immune system activation and cognitive impairment in arterial hypertension

American journal of physiology. Cell physiology - Bethesda, Md. : American Physiological Society, Bd. 327 (2024), Heft 6, S. C1577-C1590

[Imp.fact.: 5.0]

**Seeber, Frank; Blume, Martin; Dunay, Ildikò Rita; Lüder, Carsten G. K.; Meissner, Markus; Pernas, Lena; Schares, Gereon; Steinfeldt, Tobias**

Toxo XVII in the heart of Germany

Trends in parasitology - Amsterdam : Elsevier, Bd. 40 (2024), Heft 9, S. 769-774

[Imp.fact.: 7.0]

**Steffen, Johannes; Focken, Nis; Çalışkan, Gürsel**

Recognizing depression as an inflammatory disease - the search for endotypes

American journal of physiology. Cell physiology - Bethesda, Md. : American Physiological Society, Bd. 327 (2024), Heft 1, S. C205-C212

[Imp.fact.: 5.0]

**Ugursu, Bilge; Sah, Anupam; Sartori, Simone; Popp, Oliver; Mertins, Philip; Dunay, Ildikò Rita; Kettenmann, Helmut; Singewald, Nicolas; Wolf, Susanne**

Microglial sex differences in innate high anxiety and modulatory effects of minocycline

Brain, behavior and immunity - Orlando, Fla. [u.a.]: Elsevier, Bd. 119 (2024), S. 465-481

[Imp.fact.: 8.8]

## ABSTRACTS

**Müller, Patrick; Horndasch, Laslo; Neumann, Katja; Mattern, Hendrik; Cardace, Silvio; Arndt, Philipp; Pfister, Malte; Groscheck, Thomas; Vielhaber, Stefan; Meuth, Sven; Dunay, Ildikò Rita; Schmeißer, Alexander; Behme, Daniel; Schreiber, Stefanie; Braun-Dullaeus, Rüdiger**

Cerebral small vessel disease mediates the effect of arterial stiffness on cognitive decline in patients with heart failure with preserved ejection fraction

Journal of hypertension - London : Lippincott, Williams & Wilkins, Bd. 42 (2024), Heft Suppl 1, S. e92-e93

[Imp.fact.: 3.3]