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M1-project 4: Cytoskelett-dependent mechanisms of the  
microglia-matrix-neuron-interaction during neuroinflammatory  
processes

Prof. Dr. rer. nat. › **Klaus-Dieter Fischer** (<http://www.med.uni-magdeburg.de/ibz/Das+Team/Leitung.html>) (OVGU, MED, IBZ)

Prof. Dr., Ph.D. › **Alexander Dityatev**  
(<https://www.dzne.de/en/sites/magdeburg/research-groups/dityatev.html>) (DZNE)

Strackeljan L, Baczynska E, **Cangalaya C**, Baidoe-Ansah D, Wlodarczyk J, Kaushik R, Dityatev A. (2021) Microglia Depletion-Induced Remodeling of Extracellular Matrix and Excitatory Synapses in the Hippocampus of Adult Mice. *Cells*. 10(8):1862. [doi.org/10.3390/cells10081862](https://doi.org/10.3390/cells10081862) (<https://www.mdpi.com/2073-4409/10/8/1862>)

**Cangalaya C**, Stoyanov S, Fischer KD, Dityatev A. (2020) Light-induced engagement of microglia to focally remodel synapses in the adult brain. *Elife*, 9:e58435. **DOI: 10.7554/eLife.58435**. (<https://elifesciences.org/articles/58435>)

Stoyanov S., Sun W., Düsedau H.P., Choi I., **Cangalaya C.**, Mirzapourdelavar H., Baidoe-Ansah D., Kaushik R., Neumann

J., Dunay I.R., Dityatev A. (2020) Attenuation of the extracellular matrix restores microglial activity during the early stage of amyloidosis. *Glia*, DOI: [10.1002/glia.23894](https://doi.org/10.1002/glia.23894)  
(<https://onlinelibrary.wiley.com/doi/full/10.1002/glia.23894>)



## News

**2022-05-12  
Ann-Kathrin  
in  
Meinshausen:  
PhD  
Defense**

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**2022-04  
Alexander  
Pauser:  
PhD  
Submission**

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**2022-03-17  
Carla  
Marci  
a  
Cangalaya  
Lira:  
PhD  
Defense**

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**2022-02-23  
Rituparna  
Bhattacharjee:  
PhD  
Defense**

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**2021-  
11-19  
Ayse  
Malci  
: PhD  
Defen  
se**

> more

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