

TRR 167



The sequential phases of apoptotic cell clearance by microglia and macrophages (A06)

Speaker:

Dr. Tim Lämmermann
Max-Planck-Institut für Immunbiologie und Epigenetik
Stübeweg 51
79108 Freiburg
Telephone: +49 761 5108-717
E-Mail: laemmermannie-freiburg.mpg.de

Dr. Angelika Rambold, since 1/2021
Max-Planck-Institut für Immunbiologie und Epigenetik
Abteilung Immunmetabolismus
Stübeweg 51
79108 Freiburg
Telephone: +49 761 5108312
E-Mail: ramboldie-freiburg.mpg.de

Funding period:

since 2017

Project description:

Microglia appear as highly branched cells with pronounced and highly dynamic cell protrusions. Upon activation, they switch to a roundish morphology, sometimes followed by movement through the tissue. To date, the detailed mechanisms underlying these shape changes and migration in vivo are still unclear. Although it is known that microglia express several members of the integrin adhesion receptor family, their roles for microglia biology in vivo have remained largely unsolved. We will investigate how integrins regulate microglia development, homeostasis and anatomical positioning within the healthy and diseased CNS.

Quelle:

<https://gepris.dfg.de/gepris/projekt/324661391>