

TRR 167



Deciphering molecular recruitment mechanisms of microglial progenitors during development (A09*)

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Project Leader

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Project Description:

Yolk sac derived microglial progenitors colonize the central nervous system (CNS) early during embryonic development. Dysfunctional microglial development was linked with several CNS pathologies. However the exact recruitment signals for embryonic microglia are still poorly understood. Therefore, we aim to identify the molecular recruitment mechanisms of microglial progenitors via unbiased approaches. We will further analyse the role of integrins during microglial colonization and elucidate the tissue specificity of the identified signals. The proposed project will allow to understand the molecular machinery used by microglial progenitors to efficiently colonize the CNS.

Reference: <https://gepris.dfg.de/gepris/projekt/452446947?language=en>