

# MPI-NAT SEMINAR SERIES

## Jonathan Kipnis

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### New Mechanistic Insights into CNS Immune Privilege

The traditional dogma posited a separation between the immune and nervous systems, an idea referred to as the central nervous system's immune privilege. Yet, contemporary research has brought to light ingenious adaptations occurring at the borders (meninges and perivascular spaces) of the central nervous system, positioning these as key locations for neuroimmune exchanges. Although both systems generally work in tandem to preserve homeostasis, under unusual conditions, they can form detrimental interactions that result in neurological or psychiatric illnesses. We will delve into recent insights that elucidate the crucial anatomical, cellular, and molecular mechanisms that facilitate neuroimmune interactions at the brain and spinal cord's borders, as well as the potential impact of these interactions on central nervous system diseases.

Tuesday, 19.09.2023, 11:00 am  
Lecture Hall City Campus

Host: Klaus-Armin Nave

