

Table 1: Overview on time course and experimental series

Mice: Wt, PI3K^{-/-}, PI3K^{KD/KD} Cohort "Neutral T_a": T_a = 29.5±0.5°C
 Cohort "Reduced T_a": T_a = 25.5±0.5°C

Animal experiments

Series	Acclimatization period	Experiment			Additional Procedures
		<i>(LPS injection 10 mg/kg, i.p.)</i> Data acquisition			
Series 1: Telemetry	> 5 days	Baseline	3h p.i.	24h p.i.	Transmitter implantation: > 10 days before Ap
Series 2: BBB permeability measurement	> 5 days	Baseline		24h p.i.	EB (2%) i.v.: 23h p.i.
Series 3: Blood and brain tissue samples	> 5 days	Baseline	3h p.i.	24h p.i.	
Series 4: Brain histology	> 5 days	Baseline		24h p.i.	
Series 5: Microglial migration	> 5 days	Baseline		24h p.i.	Focal stab injury: 24 h p.i.
Series 6: Microglial phagocytosis	> 5 days	Baseline		24h p.i.	Zymosan injection: 24 h p.i.

Cell culture experiments

Microglia obtained from Wt, PI3K^{-/-}, PI3K^{KD/KD} mice (P0-3)

(Wt: Wild type mice (C57BL/6J strain), PI3K^{-/-}: PI3K γ knockout mice, PI3K^{KD/KD}: mice carrying a targeted mutation in the PI3K γ gene causing loss of lipid kinase activity, T_a : ambient temperature, LPS: lipopolysaccharide, EB: Evans blue, P0-3: 0-3 days after birth.)