Microglia Turned On: Visualizing microglia in brain tissue with a fluorescence turn-on substrate

Selecting microglia labeling and imaging also worked in live brains. The researchers observed cell-specific fluorescence when...
they incubated a whole mouse embryo with the probe, or when they injected the CDr20 probe into a mouse after systemic inflammation. Microglia are the main immune respondents to infections in the brain.

Several neural disorders, including Alzheimer’s disease and stroke, can be linked to inflammatory processes. Therefore, the new fluorogenic probe could be a useful approach to detecting microglia development in brains.

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