

Supplemental Movies

Movie S1. Microglia in control mice display symmetric rearrangement of their processes over short time-frames (19 frames over 54 minutes).

Movie S2. Process motion and plaque size fluctuation over one hour. Examples are evident of polarized microglia near and on plaques, and the active plaque-glial interface are pictured. Note the movement of the plaque surface, fine amyloid fibrils, and puncta within microglial processes. (9 frames over 54 minutes)

Movie S3. Surrounding plaques, microglial processes and internalized dye demonstrate rapid movement, and an active interface is apparent between microglia membranes and amyloid. (29 frames over 29 minutes).