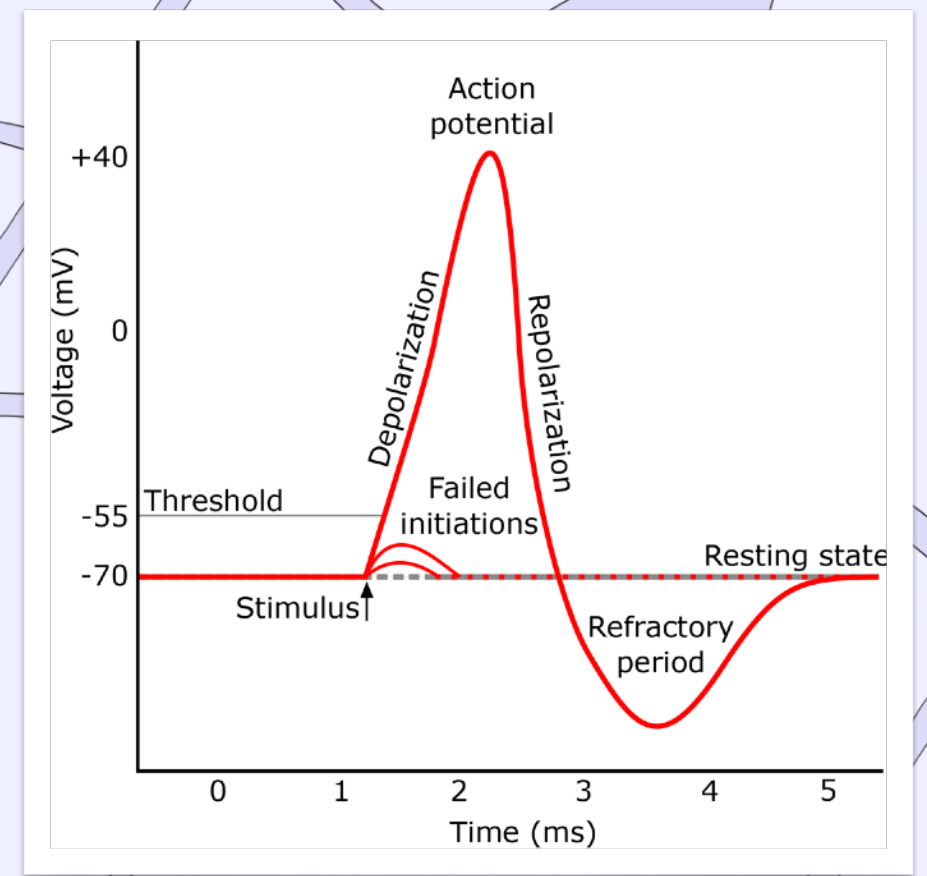
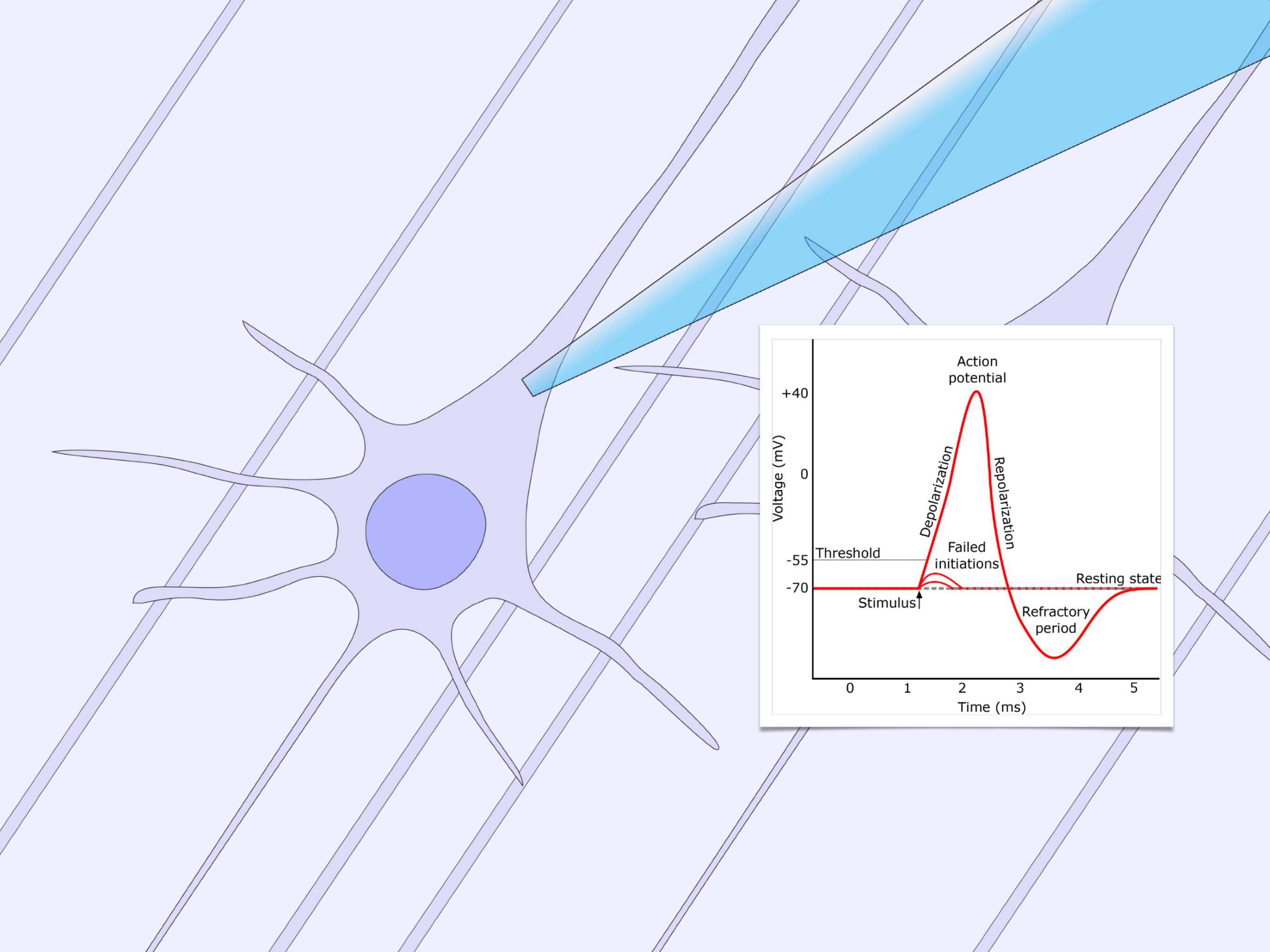


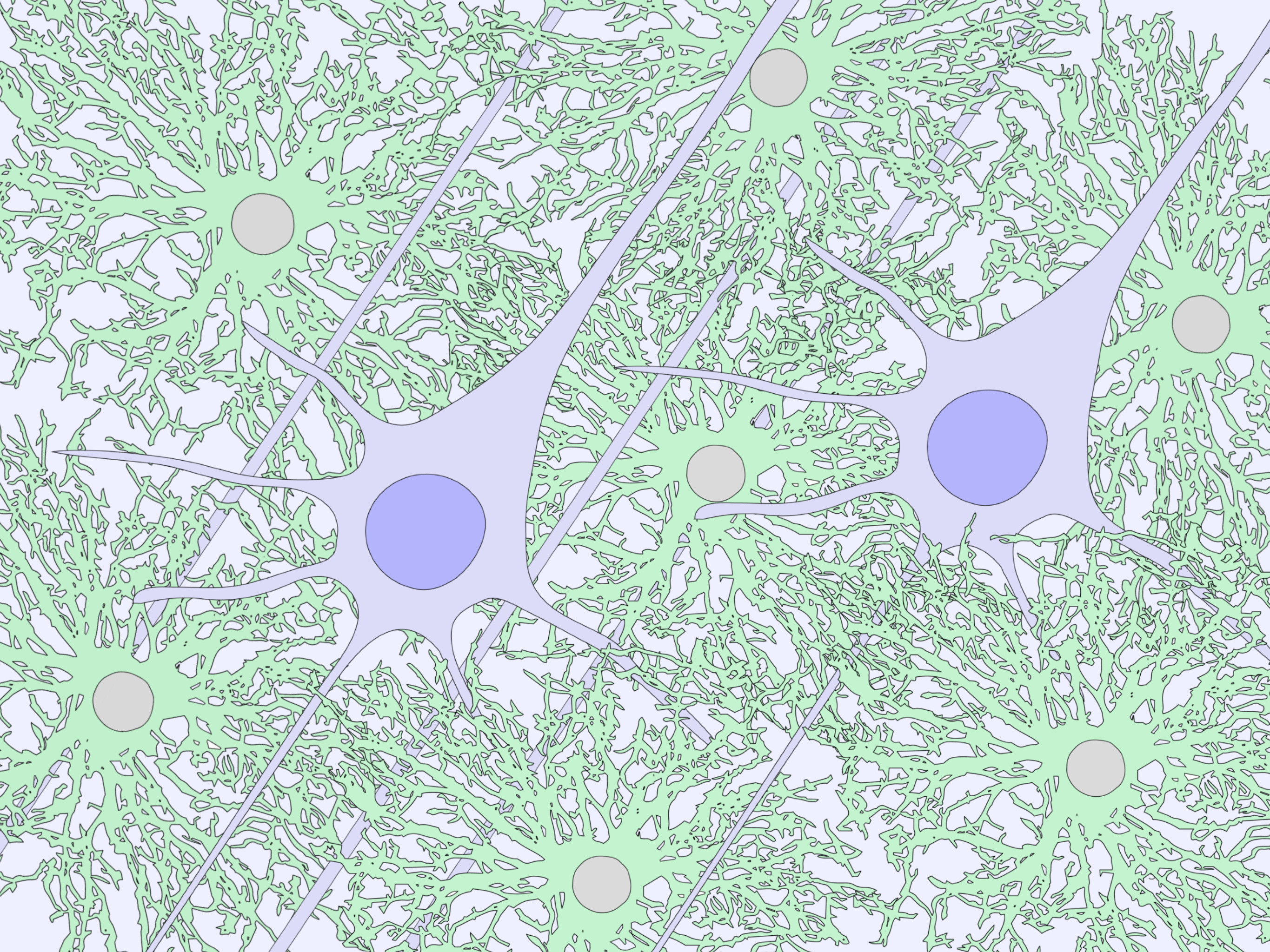
In vivo microscopy of the sleeping brain at GliaLab

Rune Enger, cand.med., Ph.d.

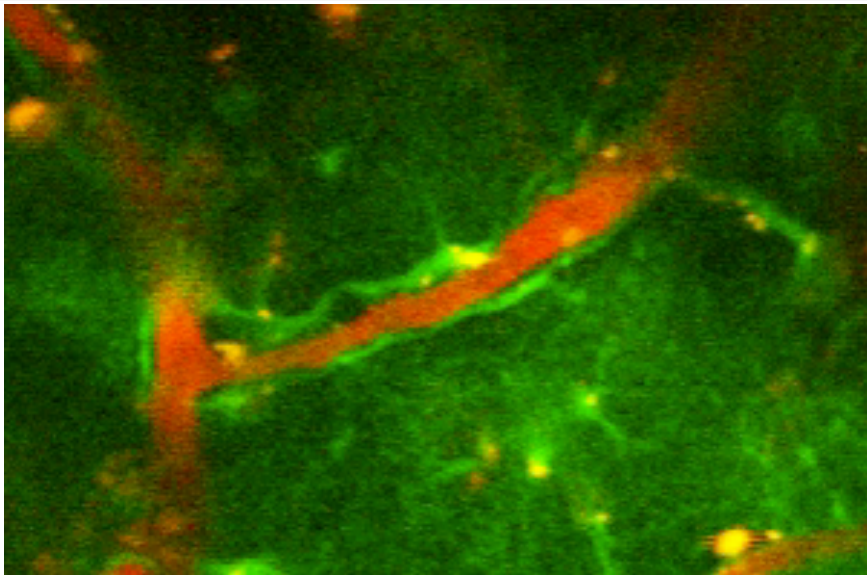
Associate Professor
Head of GliaLab and Letten Centre
Division of Anatomy, Department of Molecular Medicine
Institute of Basic Medical Sciences
University of Oslo



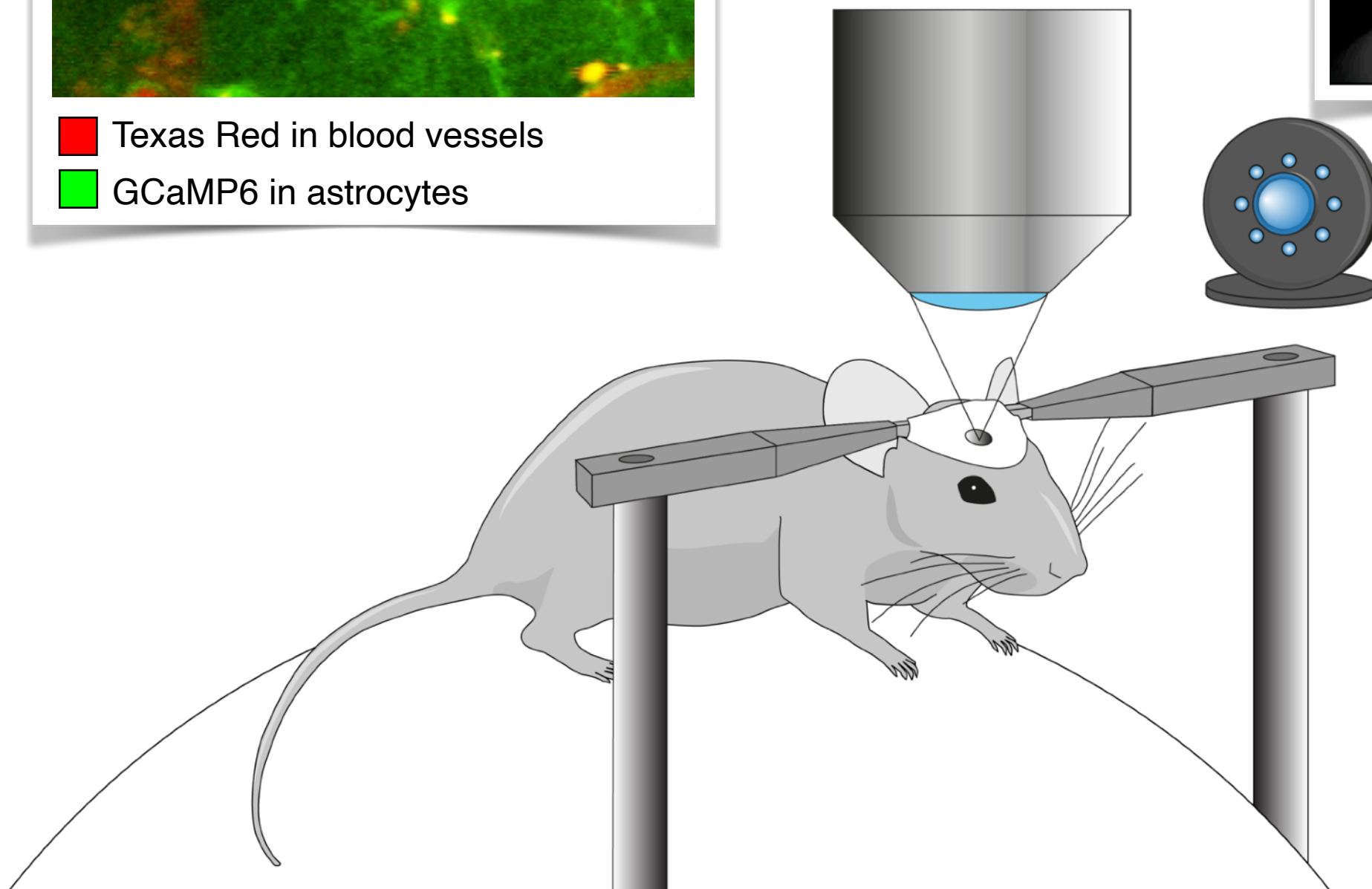
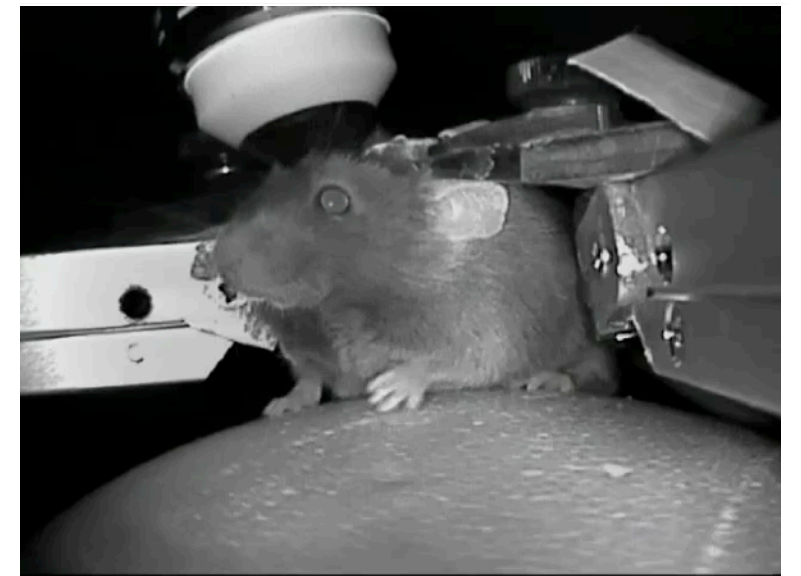




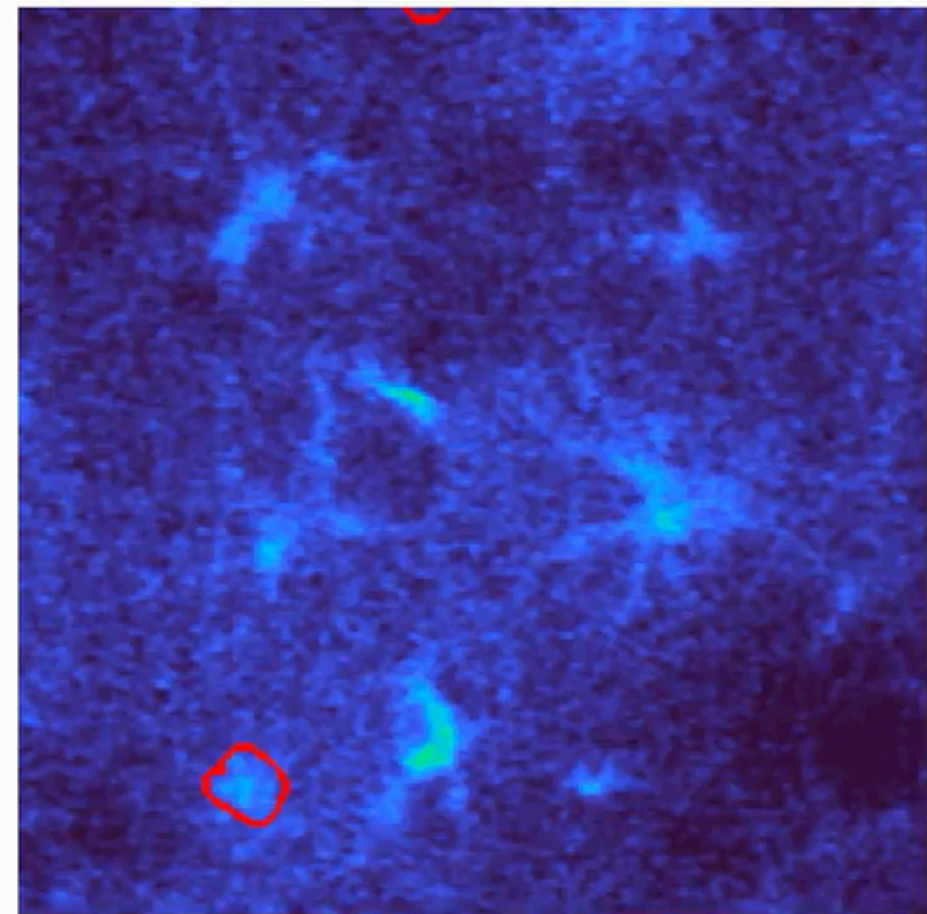
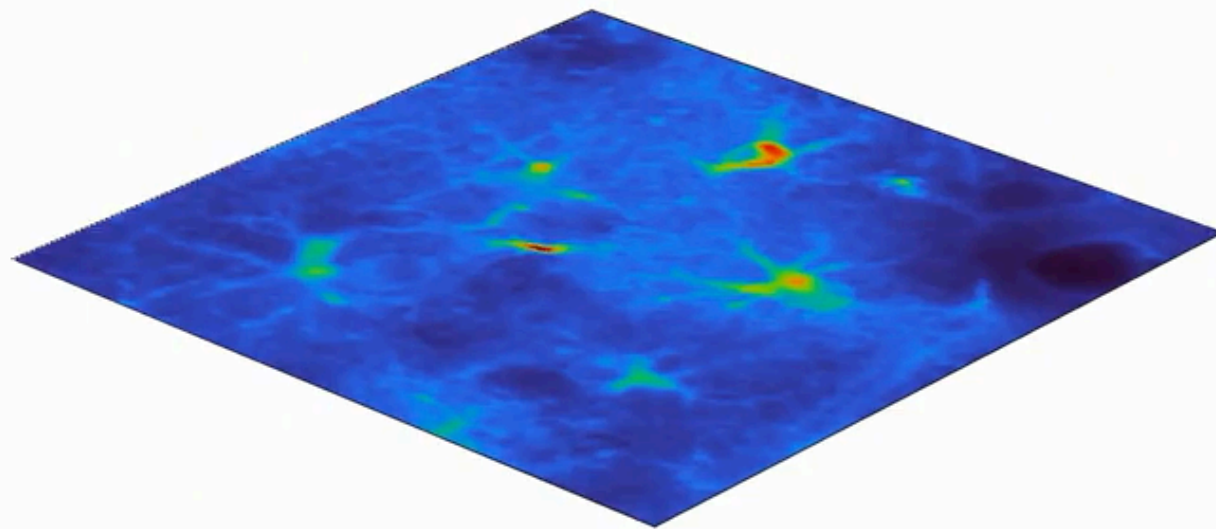
Two-Photon Microscopy in Awake Mice

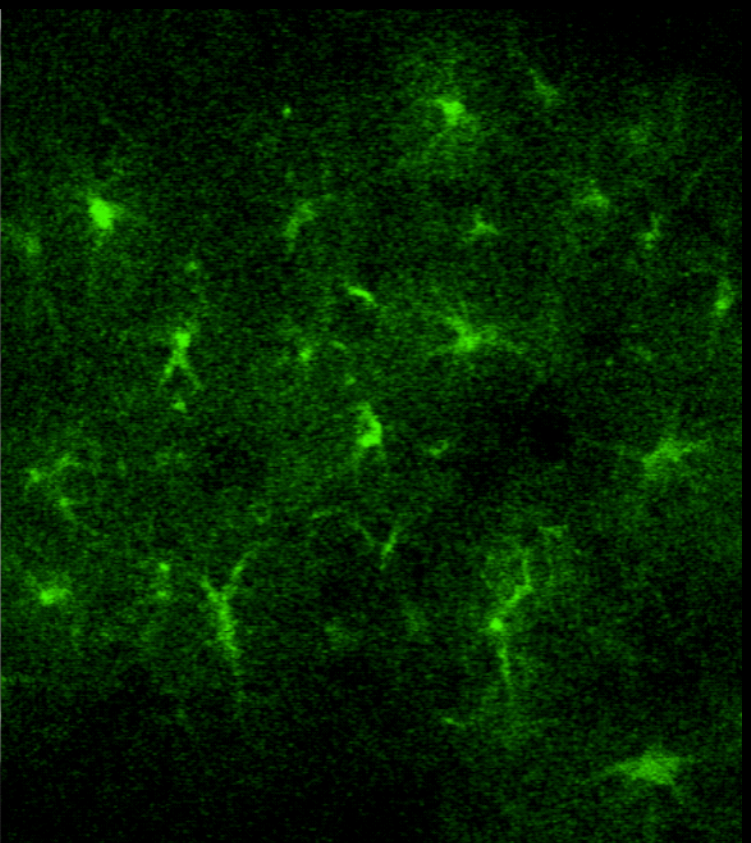
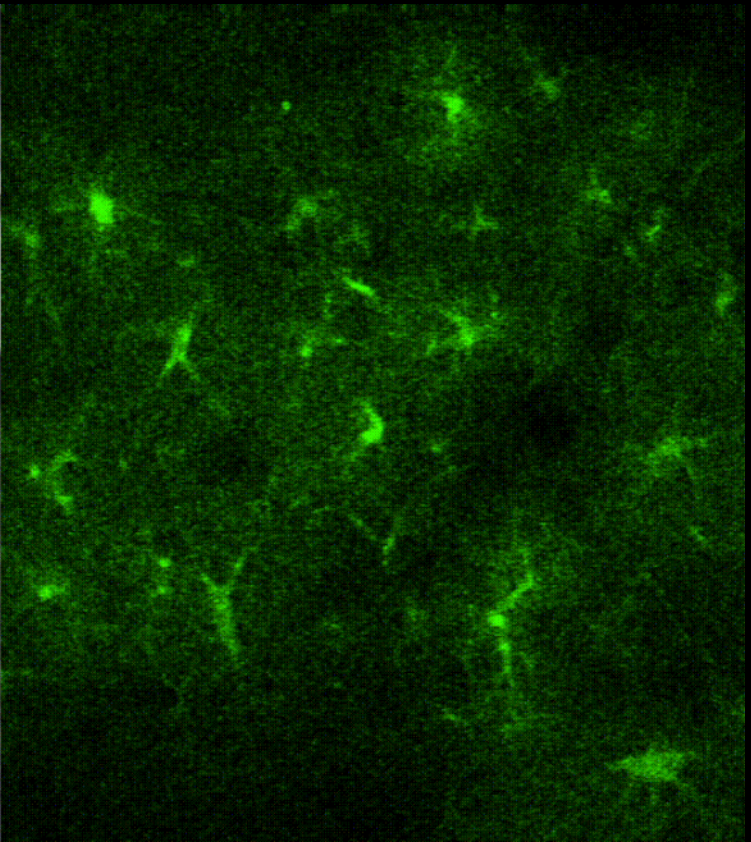


- Texas Red in blood vessels
- GCaMP6 in astrocytes

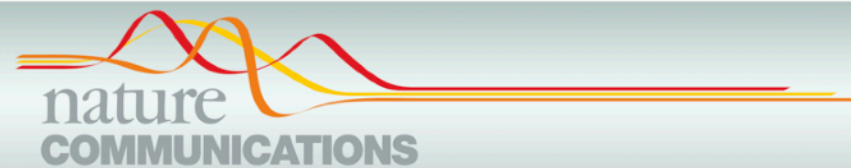
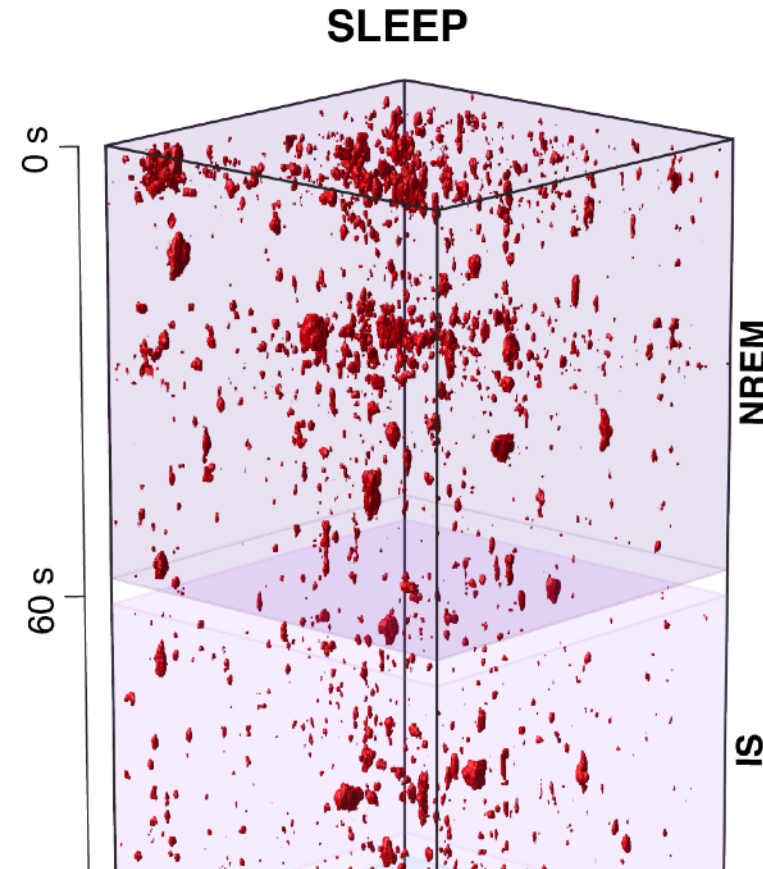
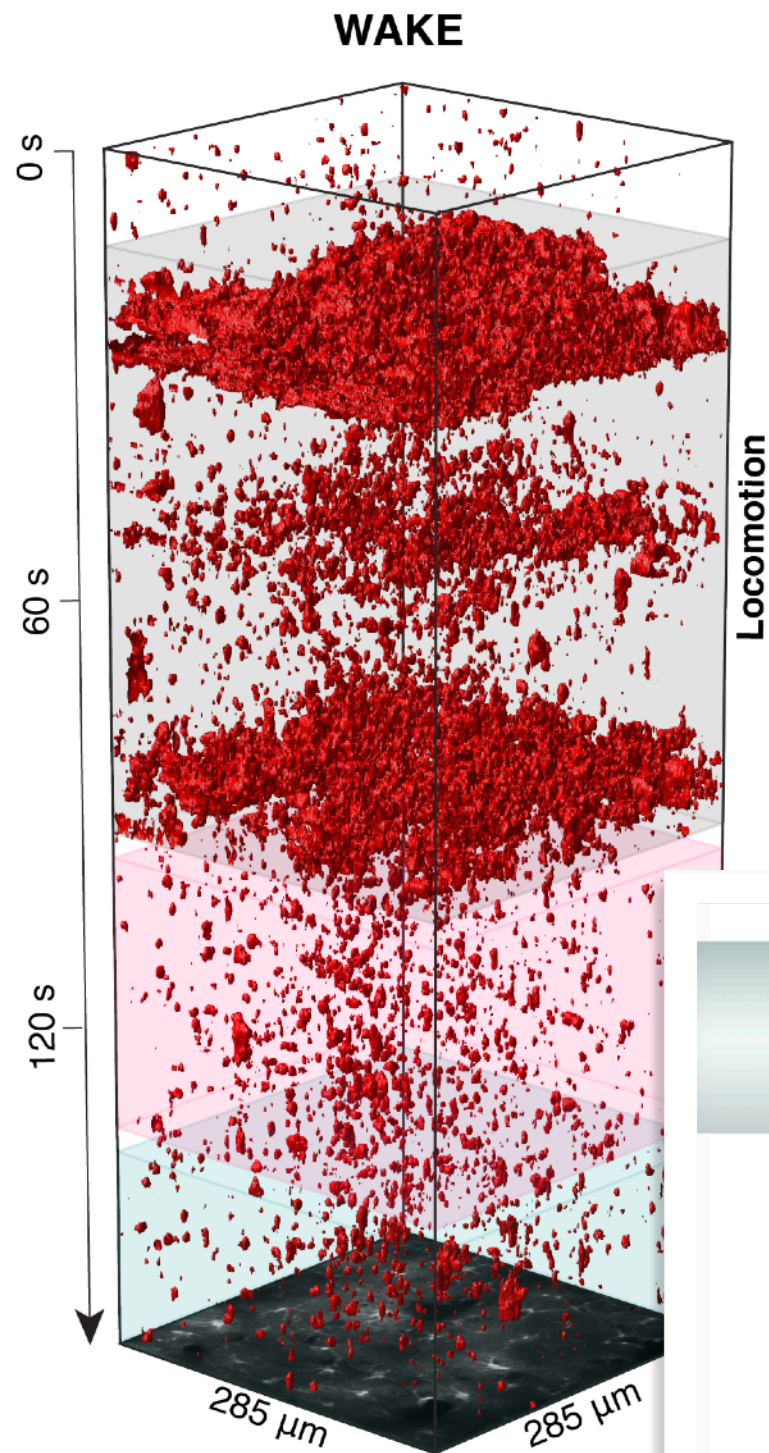


Astrocyte Ca^{2+} imaging





Sleep



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Astrocytic Ca^{2+} signaling is reduced during sleep and is involved in the regulation of slow wave sleep

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