NeuroTrauma Research in Progress Seminars

The NTRIPS series features scientific presentations from faculty and trainees at The Ohio State University to share ongoing research projects and develop interdisciplinary and translational collaborations. Co-sponsored by Ohio State’s Chronic Brain Injury Program and Center for Brain & Spinal Cord Repair, seminars are offered in-person twice per month and are open to faculty, clinicians, staff, and students.

“Role of Neuronal and Dendritic Plasticity in Memory Organization”

Events occurring close in time are often linked in memory, providing a framework for those memories. Using in vivo longitudinal imaging of somas, dendrites, and spines along with activity-dependent manipulations of these compartments, we show that organization of multiple memories is not only dependent on neuronal overlap in the retrosplenial cortex, but also on branch-specific dendritic allocation mechanisms. These results reveal a novel set of rules that govern how linked, and independent memories are allocated to dendritic compartments.

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Chronic Brain Injury Program | cbi.osu.edu
Friday, September 13, 9:30AM-10:30AM | 301 Pomerene Hall

1.0 CME credits are available. Please contact pissocra.4@osu.edu to sign up for credits.
If you need an accommodation to access the presentation or presentation materials, email cbi@osu.edu.