

Trends in Neurosciences

July 2025, Volume 48, Number 7, pp. 461–552

Spotlights

- 461 **The ABCs of lipid exposure in maintaining neural health** *Akhila Rajan and Alex C. Keene*
- 464 **PDZD8 orchestrates synaptic remodeling through autophagy** *Xueying Peng and Yixian Cui*
- 466 **Interplay between physical activity, tau pathophysiology, and cognition** *Marcos Olvera-Rojas, Francisco B. Ortega, and Irene Esteban-Cornejo*

Reviews

- 469 **The neurobiology of postpartum depression** *Elizabeth S. Wenzel, Rebekah Frye, Roxann Roberson-Nay, and Jennifer L. Payne*
- 483 **CD8 T cells as drivers of blood–brain barrier disruption** *Marina Seady and Aaron J. Johnson*
- 495 **Non-canonical roles of mitotic proteins in cortical neurons** *Joana Cavaco and Sara Carvalho*
- 508 **Dissociation and transformation between recognition memory and spatial navigation representations** *Xiao Xu and Dun Mao*
- 523 **Progranulin function and regulation in the CNS** *Benjamin E. Life and Blair R. Leavitt*
- 538 **Amyloid precursor protein carboxy-terminal fragments as catalyzers of endolysosomal dysfunction in Alzheimer's disease** *Céline Vranckx and Wim Annaert*

Editor

Moran Furman

Trends Publisher

Danielle Loughlin

Journal Manager

Praveen Johnson

Journal Administrator

Venkatesan Arumugam

Advisory Board

Silvia Arber
Emery N. Brown
Rui M. Costa
Ann Marie Craig
John F. Cryan
Catherine Dulac
Yukiko Goda
Kenneth D. Harris
Nancy Y. Ip
Meyer B. Jackson
Maria Karayiorgou
Nancy J. Kopell
Robert C. Malenka
Mark P. Mattson
Freda D. Miller
Richard G.M. Morris
Maiken Nedergaard
Eric J. Nestler
Anna (Kia) Nobre
Marco Prinz
Anna Wang Roe
Carmen Sandi
Klaas Enno Stephan
Greg J. Stuart
Christopher A. Walsh
Xiaoqin Wang
Xu Zhang



On the cover: Recognition memory and spatial navigation are closely linked cognitive processes, subserved by partially overlapping neural circuitry. In a Review article in this issue of *Trends in Neurosciences*, Xiao Xu and Dun Mao discuss recent primate studies examining the contribution of the hippocampus and related brain regions to recognition memory and spatial navigation. In particular, scene recognition, an ethologically relevant process for primates, appears to be closely linked to spatial navigation, as alluded to in the cover image of an urban landscape tiled with location-tag icons. The Review highlights how the interplay between recognition memory and spatial navigation can be understood through the framework of reference frame transformation. Photo credits: Klaus Vedfelt/Getty Images.

Editorial Inquiries

Trends in Neurosciences
Cell Press
50 Hampshire St. 5th Floor
Cambridge, MA 02139, USA
Tel: 617 386 2133
E-mail: tins@cell.com

