



Cover legend: This image shows the locus coeruleus of a coronal brain slice from a male mouse. Noradrenergic neurons are stained with tyrosine hydroxylase (blue), colocalized with adeno-associated virus vector-derived calcium indicator yellow Cameleon-Nano50 (green) and cre recombinase coexpressed with mCherry (red). Nuclei are stained with 4',6-diamidino-2-phenylindole (gray). See the paper by Mukai et al. on pages 7982–7999 for more information on this novel viral injection strategy, which was used to explore the behaviorally-relevant mechanism through which the lipid prostaglandin E2 may suppress these neurons.
Cover image: Yasutaka Mukai.

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- 7899 **Unraveling the Mechanisms Underlying Disordered Sleep in Alzheimer's Disease**
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