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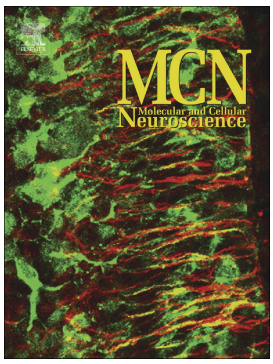

EphBs and ephrin-Bs: Trans-synaptic organizers of synapse development and function

Nathan Henderson, Matthew B. Dalva

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Authors: Nathan Henderson and Matthew B. Dalva*

Address:

The Jefferson Synaptic Biology Center
Department of Neuroscience
The Vickie and Jack Farber Institute for Neuroscience
Sidney Kimmel Medical College at Thomas Jefferson University
Jefferson Hospital for Neuroscience, Suite 463
900 Walnut St.
Philadelphia, PA 19107

*Corresponding author

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Abbreviations: βGal, β-Galactosidase; Aβ, amyloid-β; Abl, Abelson murine leukemia viral oncogene homolog; AD, Alzheimer's disease; AMPAR, α-Amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor; APP, amyloid precursor protein; BLA, basolateral amygdala; CamKII, calcium/calmodulin-dependent kinase II; CAST1, CAZ-associated structural protein 1; CCI, chronic constriction injury; Cdc42, cell division cycle 42; CSF, cerebrospinal fluid; c-Fos, cellular FBJ-osteosarcmoa; CRD, cysteine-rich domain; CREB, cyclic AMP response element binding protein; DIV, day-in-vitro; DH, dorsal horn; DRG, dorsal root ganglion; EGFP, enhanced green fluorescent protein; Eph, erythropoietin-producing hepatocellular; ephrin, Eph interacting protein; ERC2, ELKS/RAB6-interacting/CAST family member 2; Erk, extracellular signal-regulated kinase; FAK, focal adhesion kinase; FNIII, fibronectin type III; FRAP, fluorescence recovery after photobleaching; GIT1, G protein receptor-coupled kinase