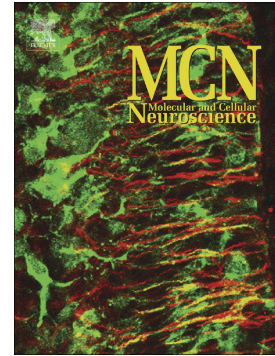


## Accepted Manuscript

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

Nathan Henderson, Matthew B. Dalva



PII: S1044-7431(18)30145-3  
DOI: [doi:10.1016/j.mcn.2018.07.002](https://doi.org/10.1016/j.mcn.2018.07.002)  
Reference: YMCNE 3331  
To appear in: *Molecular and Cellular Neuroscience*  
Received date: 16 May 2018  
Revised date: 17 July 2018  
Accepted date: 18 July 2018

Please cite this article as: Nathan Henderson, Matthew B. Dalva , EphBs and ephrin-Bs: Trans-synaptic organizers of synapse development and function. *Ymcne* (2018), doi:[10.1016/j.mcn.2018.07.002](https://doi.org/10.1016/j.mcn.2018.07.002)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

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

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

The authors declare no competing interests.

Abbreviations:  $\beta$ Gal,  $\beta$ -Galactosidase; A $\beta$ , amyloid- $\beta$ ; Abl, Abelson murine leukemia viral oncogene homolog; AD, Alzheimer's disease; AMPAR,  $\alpha$ -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-osteosarcoma; 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

Download English Version:

<https://daneshyari.com/en/article/8962266>

Download Persian Version:

<https://daneshyari.com/article/8962266>

[Daneshyari.com](https://daneshyari.com)