Elva Denise Diaz, Ph.D.

Research/Academic Interests
Elva Diaz's research interests include functional genomics of nervous system development. Her lab's main research interest is to understand molecular mechanisms of neural development using a rodent model system. In particular, she is interested in two areas: neural proliferation and synapse development.

Title
Professor

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Education
Ph.D., Biochemistry, Stanford University, Stanford CA 1999
Postdoc, Dev Neuro, UC Berkeley, Berkeley CA 1999-2003
B.A., Harvard University, Cambridge MA 1993

Professional Memberships
American Society for Cell Biology
Society for Advancement of Chicanos and Native Americans in Science
Society for Neuroscience

Honors and Awards
National Science Foundation Award, Harvard University, Cambridge, MA, 1992
NIH Director's New Innovator Award
Alfred P. Sloan Research Fellowship
Helen Hay Whitney Fellowship

Select Recent Publications
Matt L, Kirk LM, Chenaux G, Speca DJ, Puhger KR, Pride MC, Qneibi M, Haham T, Plambeck KE, Stern-Bach Y, Silverman JL, Crawley JN, Hell JW, Díaz E. SynDIG4/Prrt1 Is Required for Excitatory Synapse Development and Plasticity Underlying Cognitive Function. Cell Rep. 2018 Feb 27;22(9): 2246-2253. doi:10.1016/j.celrep.2018.02.026. PMID:29490264.

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Kalashnikova E, Lorca RA, Kaur I, Barisone GA, Li B, Ishimaru T, Trimmer JS, Mohapatra DP, Díaz E. SynDIG1: an activity-regulated, AMPA- receptor-interacting transmembrane protein that regulates excitatory synapse development. Neuron. 2010 Jan 14;65(1):80-93. doi:10.1016/j. neuron.2009.12.021. PMID:20152115.

Yun JS, Rust JM, Ishimaru T, Díaz E. A novel role of the Mad family member Mad3 in cerebellar granule neuron precursor proliferation. Mol Cell Biol. 2007 Dec;27(23):8178-89. doi:10.1128 /MCB.00656-06. Epub 2007 Sep 24. PMID:17893326.

Díaz E, Ge Y, Yang YH, Loh KC, Serafini TA, Okazaki Y, Hayashizaki Y, Speed TP, Ngai J, Scheiffele P. Molecular analysis of gene expression in the developing pontocerebellar projection system. Neuron. 2002 Oct 24;36(3):417-34. doi:10.1016/s0896-6273(02)01016-4. PMID:

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