

Niccolò Zampieri

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Development and Function of Neural Circuits
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Curriculum vitae

since 2014	Group leader, Max Delbrück Center for Molecular Medicine (MDC), Berlin-Buch
2008 - 2014	Postdoctoral scientist (lab of Dr. Thomas M Jessell), Columbia University, USA
2006 - 2008	Postdoctoral scientist (lab of Dr. Lawrence Shapiro), Columbia University, USA
2001 - 2006	PhD (Lab of Dr. Moses V Chao), New York University, USA
1994 - 1999	Degree in Biological Sciences, University of Milano, Italy

Research fields

- Developmental mechanisms of neural circuit assembly
- Cell-cell adhesion and the molecular control of neuronal interactions
- Organization of sensory-motor circuits

Activities in the scientific community, honors, awards

2016	DFG research grant
2002	NYU Sackler Travel Grant Award
2001	NYU/University of Milan Scholarship
1997	European Community "Erasmus" Scholarship

Selected publications

Zampieri N, Jessell TM, Murray AJ. Mapping sensory circuits by anterograde transsynaptic transfer of recombinant rabies virus. *Neuron*. 2014;81(4):766-78.

Demireva EY, Shapiro LS, Jessell TM, Zampieri N. Motor neuron position and topographic order imposed by beta- and gamma-catenin activities. *Cell*. 2011;147(3):641-52.

Parkhurst CN, Zampieri N, Chao MV. Nuclear localization of the p75 neurotrophin receptor intracellular domain. *J Biol Chem*. 2010;285(8):5361-8.

Ciatto C, Bahna F, Zampieri N, VanSteenhouse HC, Katsamba PS, Ahlsen G, Harrison OJ, Brasch J, Jin X, Posy S, Vendome J, Ranscht B, Jessell TM, Honig B, Shapiro L. T-cadherin structures reveal a novel adhesive binding mechanism. *Nat Struct Mol Biol*. 2010;17(3):339-47.

Urra S, Escudero CA, Ramos P, Lisbona F, Allende E, Covarrubias P, Parraguez JI, Zampieri N, Chao MV, Annaert W, Bronfman FC. TrkA receptor activation by nerve growth factor induces shedding of the p75 neurotrophin receptor followed by endosomal gamma-secretase-mediated release of the p75 intracellular domain. *J Biol Chem*. 2007;282(10):7606-15.

Zampieri N, Chao MV. Mechanisms of neurotrophin receptor signalling. *Biochem Soc Trans.* 2006;34(Pt 4):607-11.