

Nàdia, Villacampa, PhD



Affiliation: Deutsches Zentrum für Neurodegenerative Erkrankungen e. V. (DZNE)

Postdoctoral researcher

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Research Expertise

Her long-standing interest have been in microglia activation and function after both acute and chronic injuries in the CNS. She has expertise in microglial activation and their communication with neurons and infiltrated immune cells after peripheral nerve injury. In the last years, her focus has been on the role of microglia in chronic neurodegenerative disease such as Alzheimer's disease.

Education / Training

Universitat Autònoma de Barcelona, Spain, Ph.D, 2016

Universitat Autònoma de Barcelona, Spain, M.Sc. in Neuroscience, 2010

Universitat Autònoma de Barcelona, Spain, Postgraduate Certificate in Education, 2007

Appointments / Positions Held

2019- present
Postdoctoral fellow, DZNE

2016-2019
Postdoctoral fellow, University of Bonn

2009-2016
PhD candidate, Universitat Autònoma de Barcelona

Most Relevant Publications

1. Manich G, Gómez-López AR, Almolda B, **Villacampa N**, Recasens M, Shrivastava K, González B, Castellano B. Differential Roles of TREM2+ Microglia in Anterograde and Retrograde Axonal Injury Models. *Front Cell Neurosci.* 2020 Nov 20;14:567404. doi: 10.3389/fncel.2020.567404.

2. **N. Villacampa**, MT. Heneka. Microglia in Alzheimer's Disease: Local Heroes! *J Exp Med*, April 2020, DOI: 10.1084/jem.20192311

3. F Mantile, A Capasso, **N Villacampa**, M Donnini, GL Liguori, G Constantin, P De Berardinis, MT Heneka, A Prisco. Vaccination With (1-11)E2 in Alum Efficiently Induces an Antibody Response to β -Amyloid Without Affecting Brain β -Amyloid Load and Microglia Activation in 3xTg Mice. *Aging Clin Exp Res*, November 2019, DOI: 10.1007/s40520-019-01414-0

4. **N. Villacampa**, MT. Heneka. Microglia: you'll never walk alone! *Immunity*, January 2018, DOI: 10.1016/j.immuni.2018.02.009.

5. **N. Villacampa**, B. Almolda, A. Vilella, IL. Campbell, B. González, B. Castellano. Astrocyte-targeted production of IL-10 induces changes in microglial reactivity and reduces motor neuron death after facial nerve axotomy. *Glia*, January 2015, DOI: 10.1002/glia.22807.

6. B. Almolda, C. de Labra, I. Barrera, A. Gruart, JM. Delgado-Garcia, **N. Villacampa**, A. Vilella, MJ Hofer, J. Hidalgo, IL. Campbell, B. González, B. Castellano. Alterations in microglial phenotype and hippocampal neuronal function in transgenic mice with astrocyte-targeted production of interleukin-10. *Brain Behav Immun.* October 2014 doi: 10.1016/j.bbi.2014.10.015.

7. B. Almolda and **N. Villacampa**, P. Manders, J. Hidalgo, IL. Campbell, B. González, B. Castellano. Effects of astrocyte-targeted production of Interleukin-6 in the mouse on the host response to nerve injury. *Glia*, July 2014 doi: 10.1002/glia.22668.

8. G.F. Soares, C.B. Lima, L.C. Cabral, **N. Villacampa**, B. Castellano, R. Guedes. TITLE: Brain effects of the lectin from *Canavalia ensiformis* in adult rats previously suckled in favorable and unfavorable conditions: A spreading depression and microglia immunolabeling study. *Nutr. Neurosci*, May 2014, DOI 10.1179/1476830514Y.0000000128.