

Violetta Zujovic

Researcher (CR1) INSERM U1127/ICM

Education

2014 HDR, Faculté de Médecine Pitié Salpêtrière, spécialités Neurosciences.

2001 PhD in Neurosciences, Paris XII.

1996 Master in Cellular Biology and Physiology, Paris XII.

Position and employment

Since 2011 Researcher, CR1, **ICM, INSERM 1127, Paris, France**. Role of neuro-inflammation in remyelination.

2004-2011 Post-doctoral associate in Dr Baron Van Evercooren lab, CRICM, **INSERM U975 Paris, France**. Contribution of peripheral nervous system cells to the repair of central nervous system: molecular and cellular analysis.

2001-2004 Post-doctoral associate in Dr Harrison lab, Department of pharmacology, **University of Florida, Florida, USA**. Development of a chemokine antagonist using a viral protein vMIP II. Identification of new genes implicated in peripheral nervous system regeneration.

1998-2001 PhD student in the central nervous system Dr Jesus Benavides department of **Sanofi-Synthélabo, Bagneux, France**. Fractalkine role in the development of inflammation in the central nervous system.

Invited conferences (selection)

Invited conference at the **Myelin Gordon conference**, March 2018

Invited lectures at the **workshop on translational research in Neurosciences**, Bordeaux, France, 2017

Invited conference at the Congress of the **French Society of Neuroscience**, Bordeaux, France, May 2017

Invited conference at **Society for Neuroscience**, Washington, USA, November 2011

Other experience:

02/ 2017 Initiation of the XX initiative group and gender equity program

05/2015-01/2017 Representative of the Molecular and Cellular Neuroscience domain at the ICM scientific steering committee

04/ 2014 Initiation and animation of the Neuroimmunology thematic group

Since 2012 Organization and participation to the brain awareness week

Since 2007 Reviewer of Brain, Glia, Journal of neuroimmunology, PlosOne...

Honors:

2011 Bouvet Labruyère prize of the Fondation de France.

Main Publications:

- 1- **Zujovic V**, Thibaud J, Bachelin C, Vidal M, Coulpier F, Charnay P, Topilko P, Baron-Van Evercooren A. **(2010)** *Boundary cap cells are highly competitive for CNS remyelination: fast migration and efficient differentiation in PNS and CNS myelin-forming cells.* **Stem Cells** 28(3):470-9.
- 2- Bachelin C*, **Zujovic V***, Buchet D, Mallet J, Baron-Van Evercooren A. **(2010)** *Ectopic expression of polysialylated neural cell adhesion molecule in adult macaque Schwann cells*

promotes their migration and remyelination potential in the central nervous system. **Brain** 133(Pt 2):406-20.

- 3- **Zujovic V***, Thibaud J*, Bachelin C, Vidal M, Deboux C, Couplier F, Stadler N, Charnay P, Topilko P, Baron-Van Evercooren A. (2011) *Boundary cap cells are PNS stem cells that can be redirected into CNS lineages.* **Proc Natl Acad Sci USA** 108(26):10714-9.
- 4- **Zujovic V**, Doucerain C, Hidalgo A, Bachelin C, Lachapelle F, Weissert R, Stadelmann C, Linington C, Baron-Van Evercooren A. (2012) *Schwann cells repair potential in an experimental auto-immune encephalomyelitis (EAE) model: comparison of two routes of injection.* **PlosOne** 7(9):e42667
- 5- Vidal M, Maniglier M, Deboux C, Bachelin C, **Zujovic V.**, Baron-Van Evercooren A. (2015) *Adult DRG Stem/Progenitor Cells Generate Pericytes in the Presence of Central Nervous System (CNS) Developmental Cues, and Schwann Cells in Response to CNS Demyelination.* **Stem Cells.** 33(6):2011-24.
- 6- Marteyn A, Sarrazin N, Yan J, Bachelin C, Deboux C, Santin MD, Gressens P, **Zujovic V**, Baron-Van Evercooren A (2016) *Modulation of the Innate Immune Response by Human Neural Precursors Prevails over Oligodendrocyte Progenitor Remyelination to Rescue a Severe Model of Pelizaeus-Merzbacher Disease.* **Stem Cells** 34(4):984-96.
- 7- El Behi M.#, Sanson C.#, Bachelin C., Guillot-Noël L., Fransson J., Stankoff B., Maillart E., Sarrazin N., Guillemot V., Abdi H., Cournu-Rebeix I., Fontaine B., **Zujovic V.** (2017) *Adaptive human immunity drives remyelination in a mouse model of demyelination.* **Brain.**