

**Dr Romina Aron Badin***Academic Qualifications & Work Experience*

- 2008-** **Head of the primate behavioral platform**, Molecular Imaging Research Centre (MIR Cen), Institute of Biomedical Imaging (I<sup>2</sup>BM), Atomic Energy Commission (CEA), Fontenay-aux-Roses, France.
- 2008-** **Head of the primate neurosurgery platform**, Molecular Imaging Research Centre (MIR Cen), Institute of Biomedical Imaging (I<sup>2</sup>BM), Atomic Energy Commission (CEA), Fontenay-aux-Roses, France.
- 2006-2008** **Post-Doc position**, Institute of Biomedical Imaging (I<sup>2</sup>BM), Laboratory of Neurodegenerative Diseases, Atomic Energy Commission (CEA), Fontenay-aux-Roses, France.
- 2005-2006** **Post-Doc position**, University College London (UCL), Institute of Child Health, London, UK.
- 2002-2005** **PhD**, University College London, Institute of Child Health.
- 2001-2002** **MSc by Research (MRes) in Life Sciences**, University of Edinburgh, Scotland, UK.
- 1998-2001** **BSc Human Genetics**, University of Leeds, Leeds, UK.
- 1991-1998** **Scuola Italiana Cristoforo Colombo**. Attended an Italian-Spanish bilingual high school in Buenos Aires, Argentina.

*Publications*

- Ensuring post-grafting safety riddance of stem cell therapy products for Huntington disease with the TK-suicide gene strategy. Aron Badin R. et al, manuscript in preparation.
- Aron Badin R, Vadori M, Vanhove B, Nerriere-Daguin V, Naveilhan P, Neveu I, Jan C, Lévèque X, Venturi E, Mermillod P, Van Camp N, Dollé F, Guillermier M, Denaro L, Manara R, Citton V, Simioni P, Zampieri P, D'avella D, Rubello D, Fante F, Boldrin M, De Benedictis GM, Cavicchioli L, Sgarabotto D, Plebani M, Stefani AL, Brachet P, Blanco G, Soulillou JP, Hantraye P, Cozzi E. Cell therapy for Parkinson's disease: A translational approach to assess the role of local and systemic immunosuppression. Am J Transplant. 2016, Jan 8. [Epub ahead of print]

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- El Chehab H, Bemelmans AP, Nouvel-Jaillard C, Aron Badin R, Niepon ML, Renard JP. PhD1POFAL project: "Protection oculaire face aux agressions laser"- Ocular protection from laser attacks: an experimental study. *RETINA The Journal of Retinal and Vitreous Diseases*, *in press*.
- Vadori M, Aron Badin R, Hantraye P, Cozzi E. Current status of neuronal cell xenotransplantation. *Int J Surg*. 2015, **23**:267-272.
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- Ben Haim L, Ceyzériat K, Carrillo-de Sauvage MA, Aubry F, Auregan G, Guillermier M, Ruiz M, Petit F, Houitte D, Faivre E, Vandesquille M, Aron-Badin R, Dhenain M, Déglon N, Hantraye P, Brouillet E, Bonvento G, Escartin E. The JAK/STAT3 pathway is a common inducer of astrocyte reactivity in Alzheimer's and Huntington's disease. *J Neurosci*. 2015; **35**(6):2817-2829.
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- Aron Badin R, Hantraye P. Designing primate models to assess the prodromal phase of Huntington's disease. *Rev Neurol (Paris)*, 2012; **168**(11):802-805.
- Hantraye P, Badin RA. In vivo imaging of integration and function of striatal grafts in rodent and nonhuman primate animal models. *Prog Brain Res*. 2012;200:329-343.
- van der Weerd L, Tariq Akbar M, Aron Badin R, Valentim LM, Thomas DL, Wells DJ, Latchman DS, Gadian DG, Lythgoe MF, de Belleroche JS. Overexpression of heat shock protein 27 reduces cortical damage after cerebral ischemia. *J Cereb Blood Flow Metab*. 2010; **30**(4):849-856.

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- Aron Badin R, Lythgoe M, van der Weerd L, Thomas D, Gadian D, Latchman D. Neuroprotective effects of virally delivered HSPs in experimental stroke. *J Cereb Blood Flow Metab*. 2006; **26**(3):371-381.
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- Bustamante J, Bersier G, Aron Badin R, Cymeryng C, Parodi A, Boveris A. Sequential NO Production by Mitochondria and Endoplasmic Reticulum during Induced Apoptosis. *Nitric Oxide*. 2002; **6**(3):333-341.
- Houseman MJ, Jackson AP, Al-Gazali LI, Aron Badin R, Roberts E, Mueller RF. A novel mutation in a family with non-syndromic sensorineural hearing loss that disrupts the newly characterized *OTOF* long isoforms. *J Med Genet*. 2001; **38**(8):E25.
- Bustamante J, Bersier G, Romero M, Aron Badin R, Boveris A. Nitric Oxide Production and Mitochondrial Dysfunction during Rat Thymocyte Apoptosis. *Arch BiochemBiophys*. 2000; **376**(2):239-247.

#### Other Work Experience:

- 2015 Three-month internship at the Michael J Fox Foundation (MJFF) for Parkinson's disease. Voluntary work as a consultant involved in projects ranging from physiological non-motor biomarkers in PD patients to the effect of LRRK2 inhibitors in a primate model of synucleinopathy, MJFF, NY, USA.
- 2012 Teaching course on "Behavioural Analysis of Animal Models", European Master in Molecular Imaging (EMMI), INSTN/UETRS, Atomic Energy Commission (CEA), Saclay, France.
- 2011 Teaching course on "Behavioural Analysis of Animal Models", European Master in Molecular Imaging (EMMI), INSTN/UETRS, Atomic Energy Commission (CEA), Saclay, France
- 2000 Three-month work placement at the National Laboratory of Free Radicals, University of Buenos Aires, Argentina. Contributed in current research on the role of endoplasmic reticulum in nitric oxide production and apoptosis. (July-September)

- 1999 Worked at the National Laboratory of Free Radicals at the University of Buenos Aires, collaborating with a group researching on the role of nitric oxide during apoptosis. (August- September)
- 1998 Participated as a coordinator in organising the Italian Literature Congress at the University of Buenos Aires. Also contributed in translating different texts from Italian into Spanish for these conferences and several related events. (June-July)  
Helped in the organisation of "Business to Business", an economic fair (April-March).
- 1997 Voluntary work at a Creol-English school in Boston, USA. I was in charge of a small group of 4 and 5 years old children. Taught english, oral and written.