

## CURRICULUM VITAE

**HIRSCH Etienne**, Charles, Henri

Date of birth: March 18, 1958 in Paris 75008 France

Married, three children

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### **PRESENT POSITION**

Research Director (DRCE1) at CNRS,

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### **SCHOLARSHIP**

1983 Graduation in Biochemistry, University of Paris VI, (P. et M. Curie)

1984 Master in molecular and cellular pharmacology, University of Paris VI (P. et M. Curie)

1987 PhD in Neurobiology, University of Paris VI, (P. et M. Curie)

1994 Habilitation à diriger les recherches, University of Paris VI, (P et M Curie)

### **PROFESSIONAL EXPERIENCE**

- From Sept. 1983 to Sept. 1988: Researcher at Laboratoire de médecine expérimentale INSERM U289 (Director Prof. AGID). Hôpital de la Salpêtrière, Paris, France
- 1985-1986:(8 months) Visiting Scientist at the MIT, Department of Brain and Cognitive Sciences, Laboratory of Neuroanatomy, Prof. GRAYBIEL. Cambridge, MA, USA
- Jan. 1988 to July 1993: Consultant at BIOCOS SA, Les Ulis, France.
- From Sept. 1988 to Sept. 1993:Permanent position researcher first category at CNRS, Research performed at INSERM U289, Hôpital de la Salpêtrière, Paris, France.
- From Oct. 93 to now: Research director at CNRS, Research performed at INSERM Salpêtrière, Paris, France.
- From Jan. 2001 to Dec. 2008: Director of INSERM U679, Neurology and experimental therapeutics (107 people)
- From Jan. 2009 to Oct. 2009 Coordinator of the neurodegeneration axis (120 people) at INSERM 975- UPMC CNRS UMR 7225 CRICM and leader of Experimental therapeutics of neurodegeneration group (30 people).
- From Oct. 2009 Associate director of CRICM INSERM 975-UPMC CNRS UMR7225 (400 people)
- From March 2011, Councilor for Neuroscience at the department of strategy of the French ministry of research

### **AWARDS**

Tourette Syndrome Association Award, Bayside, New York, USA, July 1986

Young researcher Award, European Society for Neurochemistry, July 1990

Prix de l'Académie de Sciences « Prix de la Fondation pour la recherche biomédicale, Prix François Lhermitte »,1999

Member of EDAB as an individual, 2006

Chevalier de l'ordre des palmes académiques (honorary university order in France), 2009

Raymond and Aimée Mande, Prize of the French National Academy of Medicine, 2011

Elected associated member of the French National Academy of Pharmacy, 2011

### **EDITORIAL BOARDS**

Neuroscience, Associate editor

Journal of Neural transmission (Parkinson's disease and related disorders section editor),

Journal of Neurochemistry (Handling editor and advisory board reviews),

Dementia and geriatric cognitive disorders,

Synapse,

Journal of Parkinson's disease,

The Journal of Neuroimmune Pharmacology,

## **MEMBER OF SOCIETIES AND BOARDS**

Member of the INSERM section study n°8 for Neuroscience 2003-2008 Président;  
Member of the French Society for Neuroscience (Vice-President July 2005-2007, Président 2007-2009);  
Member of the SAB of INSERM 2008-2012  
Member of the board of the Association de la recherche sur les Nicotianées, Paris, France; Président since 2010  
Member of the program committee of the Movement disorders Society, USA 2006-;  
Member of the scientific board of the Federation de la recherche sur le cerveau (Vice-President, Paris, France 1999-2007; President 2007-2009);  
Member of the SAB of the MJ Fox Foundation, USA 2006-;  
Member of the SAB of The society for PSP, USA 2005-;  
Member of the SAB of the CMPB Göttingen Germany 2007-;  
Member of the SAB of the nordic centre for excellence program in molecular medicine 2005-;  
Member of the SAB France Parkinson (President, 2002-2006);  
Member of the INSERM section study n°5 for Neuroscience 1994-1988;  
Member of the scientific board of Pitié-Salpêtrière medical University 1993-1998;  
Member of the SAB of the Center for Neurodegenerative disorders, King's College, London 1995-1999;  
Member of the medical advisory panel of the Parkinson's disease Society, London 1997-2002;  
Member of the Society for Neuroscience (USA),  
Member of the Movement disorders Society, Member of the International executive committee 2011-.

## **QUANTIFIED PRODUCTION**

Author of 223 reviewed articles including Nature (1), Nature Genetics (1), Nature Medicine (1), JCI (3), Lancet Neurology (1), Nature neuroscience (1), PNAS (10), J Neuroscience (10), Annals Neurol (10), Brain (11) etc  
Author of 90 review articles  
Invited to give 130 lectures in international meeting  
Invited to give 54 lectures in French meetings  
H factor: 63  
Number of citations 14,379  
Funding during the last 10 years: 5.85 million Euros

## **TEN MOST CITED ARTICLES**

- Hirsch, E.C., Graybiel, A.M., Agid, Y. Melanized dopaminergic neurons are differentially susceptible to degeneration in Parkinson's disease. *Nature*, 334, 345-348, 1988. **Cited 616 times**
- Anglade, P., Vyas, S., Javoy-Agid, F., Herrero, M.T., Michel, P.P., Marquez, J., Mouatt-Prigent, A., Ruberg, M., Hirsch, E.C., Agid, Y. - Apoptosis and autophagy in nigral neurons of patients with Parkinson's disease. *Histol. and Histopathol.*, 12, 25-31, 1997. **Cited 493 times**
- Hartmann, A., Hunot, S., Michel, P.P., Muriel, M-P., Vyas, S., Faucheux, B.A., Mouatt-Prigent, A., Turmel, E., Srinivasan, A., Ruberg, M., Evan, G.I., Agid, Y., Hirsch, E.C. - Caspase-3: a vulnerability factor and final effector in apoptotic death of dopaminergic neurons in Parkinson's disease. *Proc. Natl Acad. Sci.*, 97, 2875-2880, 2000. **Cited 372 times**
- Hunot, S., Brugg, B., Ricard, D., Michel, P.P., Ruberg, M., Faucheux, B.A., Agid, Y., Hirsch, E.C. - Nuclear translocation of NF- $\kappa$ B is increased in dopaminergic neurons of patients with Parkinson's disease: a possible role in apoptosis. *Proc. Natl. Acad. Sci. U.S.A.*, 94, 7531-7536, 1997. **Cited 367 times**
- Damier, P., Hirsch, E.C., Agid, Y., Graybiel, A.M. – The substantia nigra of the human brain: II Patterns of loss of dopamine-containing neurons in Parkinson's disease. *Brain*, 122, 1437-1448, 1999. **Cited 366 times**
- Hirsch, E.C., Brandel, J.P., Galle, P., Javoy-Agid, F., Agid, Y. - Iron and aluminium increase in the substantia nigra of patients with Parkinson's disease : an X-ray microanalysis. *J. Neurochem.*, 56, 446-451, 1991. **Cited 289 times**
- Boka, G., Anglade, P., Wallach, D., Javoy-Agid, F., Agid, Y., Hirsch, E.C. - Immunocytochemical analysis of tumor necrosis factor and its receptors in Parkinson's disease. *Neurosci. Lett.*, 172, 151-154, 1994. **Cited 277 times**

- Trottier, Y., Devys, D., Imbert, G., Saudou, F., An, I., Lutz, Y., Weber, C., Agid, Y., Hirsch, E.C., Mandel, J.L. - Cellular localisation of the Huntingtin and discrimination of normal and mutated form. *Nature Genet.* 10, 104-110, 1995. **Cited 275 times**
- Hunot, S., Boissiere, F., Faucheux, B., Brugg, B., Mouatt-Prigent, A., Agid, Y., Hirsch, E.C. - Nitric oxide synthase and neuronal vulnerability in Parkinson's disease. *Neuroscience*, 72, 355-363, 1996. **Cited 274 times**
- Höglinger, G.U., Rizk, P., Muriel, M.-P., Duyckaerts, C., Oertel, H.W., Caille, I., Hirsch, E.C. - Dopamine depletion impairs precursor cell proliferation in Parkinson's disease. *Nat. Neurosci.*, 7, 726-735, 2004. **Cited 246 times.**