

CURRICULUM VITAE

HIRSCH Etienne, Charles, Henri

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

Married, three children



EXECUTIVE SUMMARY

Senior neuroscientist with strong expertise in neurodegenerative diseases including Parkinson disease and related disorders, Huntington disease and Alzheimer disease. His research aims at the identification of targets to slow down neurodegeneration or alleviate the symptoms resistant to current therapies through preclinical and clinical approaches. Extensive experience leading national and international large programs as director of the French National Institute for Neurosciences, cognitive sciences, neurology and psychiatry. Strong scientific and organization leadership with consensus building and teaming capability.

PRESENT AFFILIATION

Research Director (DRCE2) at CNRS,

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PRESENT POSITIONS

- Director of ITMO (National Institute) Neurosciences, Cognitive Sciences, Neurology and Psychiatry of Aviesan (National coordination for Life and health sciences), Biopark, Paris
- Director of the INSERM (National institute for health) Institute for Neurosciences, Cognitive Sciences, Neurology and Psychiatry Biopark, Paris
- Co-team leader (Experimental therapeutics of Parkinson disease) (25 people) at the Paris Brain Institute at Salpêtrière hospital, INSERM 1127-UPMC CNRS UMR7225

PROFESSIONAL EXPERIENCE

- 2014-2018 Associate director of the Research center of the Brain and Spinal cord Institute at Salpêtrière hospital, INSERM 1127-UPMC CNRS UMR7225 (650 people)
- March 2011-2015, Councilor for Neuroscience, Neurology and Psychiatry at the department of strategy of the French ministry of research
- Oct. 2009-2014 Associate director of CRICM INSERM 975-UPMC CNRS UMR7225 research center (450 people)
- Jan. 2009 to Oct. 2009 Coordinator of the neurodegeneration axis (120 people) at INSERM 975-UPMC CNRS UMR 7225 CRICM research center and leader of Experimental therapeutics of neurodegeneration team (30 people)
- Jan. 2001 to Dec. 2008: Director of INSERM Unit 679, Neurology and experimental therapeutics (107 people)
- Oct. 93: Promoted second class Research director at CNRS (DR2), Research performed at INSERM Salpêtrière, Paris, France
- Sept. 1988 Recruited first class researcher (CR1) on a permanent position at CNRS, Research performed at INSERM U289, Hôpital de la Salpêtrière, Paris, France
- Jan. 1988 to July 1993: Consultant at BIOCOS SA (Image analysis company), Les Ulis, France

- 1985-1986: Visiting Scientist at the MIT, Department of Brain and Cognitive Sciences, Laboratory of Neuroanatomy, (Director Prof. Ann Graybiel), Cambridge, MA, USA
- Sept. 1983 to Sept. 1988: Master and PhD at Laboratoire de Médecine Expérimentale INSERM U289 (Director Prof. Yves Agid), Hôpital de la Salpêtrière, Paris, France

SCHOLARSHIP

- 1994 Habilitation à diriger les recherches, University of Paris VI, (P et M Curie)
- 1987 PhD in Neurobiology, University of Paris VI, (P. et M. Curie)
- 1984 Master in molecular and cellular pharmacology, University of Paris VI (P. et M. Curie)
- 1983 Graduation in Biochemistry, University of Paris VI, (P. et M. Curie)
- Fluent English (2 years in Boston), Basic German

AWARDS

- Honorary member of the Austrian Society for Parkinson disease, November 2018, Linz, Austria
- Senator Franz Burda Foundation Prize of the year 2017, awarded at the XXII World Congress on Parkinson's Disease and Related Disorders 2017 November 12-15, 2017, Ho Chi Minh City, Vietnam
- Nominated for the Fondation Air Liquide Prize, January 2016
- First Theodore Sourkes lecture award, Mc Gill University, Montréal, Canada, October 2013
- Elected associated member of the French National Academy of Pharmacy, 2011
- Raymond and Aimée Mande, Prize of the French National Academy of Medicine, 2011
- Chevalier de l'ordre des palmes académiques (honorary university order in France), 2009
- Member of EDAB as an individual, 2006
- Prix de l'Académie de Sciences « Prix de la Fondation pour la recherche biomédicale, Prix François Lhermitte », 1999
- Young researcher Award, European Society for Neurochemistry, July 1990
- Tourette Syndrome Association Award, Bayside, New York, USA, July 1986

EDITORIAL BOARDS

- Journal of Neural transmission, Editor in Chief from 2020
- Journal of Neural transmission, Associate editor specialized in neurological disorders from 2016-2020
- Neuroscience, Associate editor 2012 - 2015
- Journal of Neurochemistry (Handling editor)
- Dementia and geriatric cognitive disorders
- Synapse
- Journal of Parkinson's disease
- The Journal of Neuroimmune Pharmacology

MEMBER OF SOCIETIES AND SELECTION OF BOARDS

- Member of the board of directors of the Paris School for Neurosciences, Paris, France 2012-
- Member of the board of directors of the Fondation Fondamental for psychiatry, Créteil, France 2012-
- Member of the board of directors of Fondation Plan Alzheimer, Paris, France since 2012-
- Member of the management board of the Join program on neurodegenerative diseases (JPND), 2012-
- Member of the executive board of ERAnet Neuron (EU network of funding organizations) 2012-
- Member of the board of directors of the World Parkinson Coalition (treasurer), New York, USA, 2013-2019
- Member of the SAB of the MJ Fox Foundation, USA 2006-2017
- Member of the Society for Neuroscience, USA
- Member of the International Society for Neurochemistry
- Member of the French Society for Neuroscience (Vice-President July 2005-2007, Président 2007-2009)

- Member of the Movement disorders Society, Member of the International executive committee 2011-2014, Member of the program committee 2017-
- Member of the SAB of The society for PSP, USA 2005-2014
- Member of the board of directors of the Association de la recherche sur les Nicotianées, Paris, France; Président 2010-2013
- Member of the SAB of the CMPB Gottingen Germany 2007-2012
- Member of the SAB of the Nordic Centre for excellence program in molecular medicine 2005-2012
- Member of the SAB of INSERM 2008-2012
- Member of the scientific board of the Federation de la recherche sur le cerveau (Vice-President, Paris, France 1999-2007; President 2007-2009) and board of directors 2007-2009
- Member of the program committee of the Movement disorders Society, USA 2006-2010
- Member of the INSERM study section n°8 for Neuroscience 2003-2008 Président
- Member of the SAB Association France Parkinson President, 2002-2006
- Member of the medical advisory panel of the Parkinson's disease Society, London 1997-2002
- Member of the SAB of the Center for Neurodegenerative disorders, King's College, London 1995-1999
- Member of the INSERM study section n°5 for Neuroscience 1994-1998
- Member of the scientific board of Pitié-Salpêtrière Medical School 1993-1998

QUANTIFIED PRODUCTION

- Author of 254 reviewed articles including Lancet (1), Nature (1), Nature Genetics (1), Nature Medicine (1), JCI (3), Lancet Neurology (1), Nature neuroscience (1), Neuron (1), PNAS (10), J Neuroscience (10), Annals Neurol (10), Brain (11) etc
- Author of 115 review articles
- Author of 7 patents
- Invited to give 201 lectures in international meeting
- Invited to give 96 lectures in French meetings
- h Index: 85
- Number of citations 28107
- Funding during the last 15 years: approximately 10 million Euros

TEN MOST CITED ARTICLES

- Hirsch, E.C., Hunot, S. - Neuroinflammation in Parkinson's disease: A target for neuroprotection? The Lancet Neurol. 8, 382-397, 2009. **Cited 1000 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 998 times**
- 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 943 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 802 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 662 times.**
- Hunot, S., Brugg, B., Ricard, D., Michel, P.P., Ruberg, M., Faucheux, B.A., Agid, Y., Hirsch, E.C. - Nuclear translocation of NF- κ 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 563 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 558 times**
- Brochard V., Combadière B., Prigent A., Laouar Y., Perrin A., Beray-Berthat V., Bonduelle O., Alvarez-Fischer D., Callebert J., Launay J.M., Duyckaerts C., Flavell R.A., Hirsch E.C., Hunot

S. Infiltration of CD4+ lymphocytes into the brain contributes to neurodegeneration in a mouse model of Parkinson disease. J Clin Invest. 119, 182-92, 2009. **Cited 518 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 445 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 432 times**

HOBBIES

- Scuba diving (CMAS level 3, PADI master scuba diver)
- Golf (handicap 10)
- Travel