

Hugues DUFFAU



Nacido el 8 de agosto 1966 (Montauban, France)

Profesor y Jefe del Departamento de Neurocirugía, Gui de Chauliac Hospital, University of Montpellier (France)

Director del equipo “Plasticity of the central nervous system, human stem cells and glial tumors”, INSERM U1051, Institute for Neurosciences of Montpellier (France)

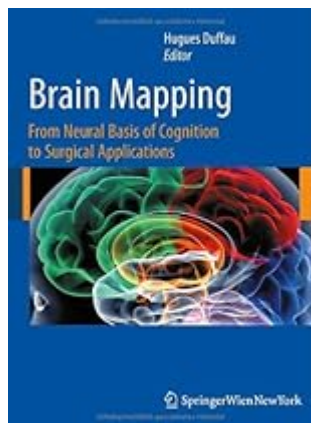
Herbert Olivecrona Award 2010

Se formó en Pitié-Salpêtrière Hospital (Paris, France)

Orador popular en el contexto de glioma

Su más reciente publicación:

Brain Mapping: From Neural Basis of Cognition to Surgical Applications



Revisor Ad-hoc de 46 journals, que incluyen el : New England Journal of Medicine, Lancet Oncology, Nature Medicine, Annals of Neurology, Brain, Cerebral Cortex, Trends in Cognitive Science, Current Biology, Experimental Neurology, Neurology, Neuropsychologia, Neuroscience, Neuroimage, Journal of Neurology, Neurosurgery and Psychiatry, Cortex, Epilepsia, BMC Neuroscience, Brain Research, Clinical Neuropathology Clinical Neurology and Neurosurgery, Developmental Science, Journal of Neurooncology, Neurosurgical Focus .

Miembro del Congress of Neurological Surgeons, European Association for Neurooncology, European Organization for Treatment of Cancer, Association de Neurooncologie d'Expression Française, Société Française de Neurochirurgie, Société de Neurochirurgie de Langue Française, Société Française des Neurosciences.

Su interés: Brain tumor surgery, Neurooncology, Low-grade gliomas, Functional brain mapping, Anatomico-functional connectivity, Brain plasticity, Awake surgery, Hodotopy

. 159 articles published in international journals ; 200 national and international invited lectures; 191 communications or posters . h-index: 36

. Main publications :

. Duffau H, Sichez JP, Lehericy S. Intraoperative unmasking of brain redundant motor sites during resection of a precentral angioma. Evidence using direct cortical stimulations. *Ann Neurol* 47:132-135, 2000.

. Duffau H, Capelle L, Sichez N, et al. Intraoperative mapping of the subcortical language pathways using direct electrical stimulations: an anatomo-functional study. *Brain* 125:199-214, 2002.

. Duffau H, Capelle L, et al. The role of dominant premotor cortex in language: a study using intraoperative functional mapping in awake patients. *NeuroImage* 20:1903-1914, 2003

. Duffau H, Capelle L. Preferential brain locations of low-grade gliomas: comparison with glioblastomas and review of hypothesis. *Cancer* 100:2622-2626, 2004

. Duffau H, Gatignol P, et al. New insights into the anatomo-functional connectivity of the semantic system: a study using cortico-subcortical electrostimulations. *Brain* 2005;128:797-810

. Duffau H, Lopes M, et al. Contribution of intraoperative electrical stimulations in surgery of low-grade gliomas: a comparative study between two series without (1985-1996) and with (1996-2003) functional mapping in the same institution. *J Neurol Neurosurg Psychiatry* 2005;76:845- 851

. Duffau H. Lessons from brain mapping in low-grade glioma surgery: insights into relationships between tumor and brain plasticity. *Lancet Neurology* 2005;4:476-486

. Thiebaut de Schotten M, Urbanski M, Duffau H, et al. Direct evidence for a parietal-frontal pathway subserving spatial awareness in humans. *Science* 2005;309:2226-2228

. Duffau H. New concepts in surgery of WHO grade II gliomas: functional brain mapping, connectionism and plasticity. *J Neurooncol* 79:77- 115, 2006

. Mandonnet E, Nouet A, Gatignol P, Capelle L, Duffau H. Does the left inferior longitudinal fasciculus play a role in language? A brain stimulation study. *Brain* 130:623-629, 2007

. Desmurget M, Bonnetblanc F, Duffau H. Contrasting acute and slow-growing lesions: a new door to brain plasticity. *Brain* 130:898-914, 2007 . Duffau H. The anatomo-functional connectivity of language revisited. New insights provided by electrostimulation and tractography. *Neuropsychologia* 46:927-934, 2008

. Duffau H, Gatignol P, Mandonnet E, Capelle L, Taillandier L. Contribution of intraoperative subcortical stimulation mapping of language pathways: a consecutive series of 115 patients operated on for a WHO grade II glioma in the left dominant hemisphere. *J Neurosurg* 109:461- 471, 2008

. Plaza M, Gatignol P, Cohen H, Berger B, Duffau H. A discrete area within the left dorsolateral prefrontal cortex involved in visual-verbal incongruence judgment. *Cereb Cortex* 18:1253-1259, 2008.

. Duffau H. Surgery of low-grade gliomas: towards a "functional neurooncology". *Curr Opin Oncol* 21:543-549, 2009.

. Duffau H. A personal consecutive series of surgically treated 51 cases of insular WHO grade II

glioma: advances and limitations. J Neurosurg 110:696-708, 2009

. Duffau H. Awake surgery for non-language mapping. Neurosurgery 66:523-529, 2010

. Garbizu Vidorreta J, Garcia R, Moritz-Gasser S, Duffau H. Double dissociation between syntactic gender and picture naming processing: a brain stimulation mapping study. Hum Brain Mapp, in press

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