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EDUCATION

Certificate in neurosurgery specialty (CPSQ) Université de Montréal, QC, Canada	1996-2002
Doctorate degree in general medicine (M.D.) Université de Montréal, QC, Canada	1991-1996
Doctorate in neurological sciences (PhD) Université de Montréal, QC, Canada	1989-1996
Master degree in neurological sciences (M.Sc.) Université de Montréal, QC, Canada	1986-1989
Bachelor degree in biology (B.Sc.) Université de Sherbrooke, QC, Canada	1983-1986

CURRENT OCCUPATIONS

- Neurosurgeon, Hôpital de l'Enfant-Jésus, Centre hospitalier affilié universitaire de Québec, Québec, Canada
- Researcher, Hôpital de l'Enfant-Jésus, Centre hospitalier affilié universitaire de Québec, Québec, Canada
- Co-director of research in neurosurgery, Department of Neurological sciences, Hôpital de l'Enfant-Jésus, Centre hospitalier affilié universitaire de Québec, Québec, Canada
- Co-director of functional neurosurgery section, Department of Neurological sciences, Hôpital de l'Enfant-Jésus, Centre hospitalier affilié universitaire de Québec, Québec, Canada
- Professor (adjoint), Université Laval, Québec, Canada

AFFILIATIONS AND PROFESSIONAL ACTIVITIES

• Neurosurgeon, CSSS de Chicoutimi, Chicoutimi, Canada	2002-2005
• Associate professor, Université Laval, Québec, Canada	2005-2008
• Responsible of research in neurosurgery, Hôpital de l'Enfant-Jésus, Centre hospitalier affilié universitaire de Québec, Québec, Canada	2006-2009
• Member of Canadian neurosurgical society	2006-present
• Treasurer, Canadian neuromodulation society	2007-present
• Member of <i>Corporation professionnelle des médecins du Québec</i>	1996-present
• Member of Canadian medical association	1996-present
• Member of <i>Fédération des médecins spécialistes du Québec</i>	2002-present

- Member of Congress of Neurological Surgeon

2000-present

INVITED SPEAKER

- Surgical treatment of Parkinson disease, Auberge du Lac à l'eau clair, Qc, Annual Meeting Club des Mouvements Anormaux, 2009
- Therapeutic approaches for basal ganglia disorders: fundamental research to clinical data, Symposium de Québec sur les Avenues Thérapeutiques pour les Maladies Neurodégénérative, Wendake, QC, Canada, May 21st 2009.
- Role of functional neurosurgery in chronic and cancer pain treatment, CHUL, Université Laval, Québec, 2006
- Deep brain stimulation in the treatment of Parkinson disease, Séminaire de l'axe Neurosciences, CHUQ, May 14th 2007.
- Treatment of central originated foot drop by neurostimulation, IRDPQ, Neurostep project, April 2nd 2008
- Neurosurgical treatment for Parkinson disease, Trois-Rivières, Chicoutimi, Rivière-du-Loup, April 2008

GRANTS AND AWARDS

Presentation award	Société Canadienne de Neuromodulation Juin 2009
Excellence award	Wyeth-Ayers Juin 1992
Selection award	International School of Neuroscience Fidia Research Foundation Octobre 1991
Excellence award	Université de Montréal Faculté des études supérieures Juin 1990
Doctorate grant	Conseil de recherche médicale – Farquharson Septembre 1990
Doctorate grant	Fonds de recherche en santé du Québec Septembre 1989
Doctorate grant	Fonds pour la formation de chercheurs et l'aide à la recherche Septembre 1987
Master grant	Université de Montréal Groupe de recherche sur le système nerveux central

PUBLICATIONS

Auclair-Ouellet, N, Chantal, S., Cantin, L., **Prud'homme, M.**, Langlois, M and Macoir, J. "Transient executive dysfunction following subthalamic nucleus deep brain stimulation in Parkinson's disease." *Movement Disorders* 2009

Jourdain, V., Cantin, L., **Prud'Homme, M.** and Fournier-Gosselin, M. P. "Intrathecal Morphine Therapy-Related Granulomas: Faster to Grow than Thought." *Neuromodulation* 2009 12(2): 164-168.

N. Gosselin-Kessiby, **Prud'Homme M.J.L.**, Kalaska J.F. Perception de l'orientation spatiale chez les sujets contrôles et pariétolésés. *Médecine Sciences* 17(2):32 (2001)

M.J.L. Prud'Homme and JF. Kalaska. Proprioceptive activity in primate primary somatosensory cortex during active arm reaching movements. *J. Neurophysiol.* 72: 2280- 2301 (1994).

DAD. Cohen, **M.J.L. Prud'Homme** and J.F. Kalaska. Tactile activity in primate primary somatosensory cortex during active arm movements: correlation with receptive field properties. *J. Neurophysiol.* 71: 161-172 (1994).

M.J.L. Prud'Homme, D.A.D. Cohen, J.F. Kalaska. Tactile activity in primate primary somatosensory cortex during active arm movements: cytoarchitectonic distribution. *J. Neurophysiol.* 71: 173-181 (1994).

J.F. Kalaska, D.J. Crammond, D.A.D. Cohen, **M.J.L. Prud'Homme**, M.L. Hyde. comparison of cell discharge in motor, premotor, and parietal cortex during reaching. In:"Control of Arm Movement in Space:Neurophysiological and Computational approaches" (R. Caminiti, P. Johnson & Y. Burnod, ed.) *Exp. Brain Res. Suppl.* 22: 129-146 (1992).

J.F. Kalaska, D.A.D. Cohen, **M.J.L. Prud'Homme** and M.L. Hyde. Parietal area 5 neuronal activity encodes movement kinematics, not movement dynamics. *Exp. Br. Res.* 80: 351-364 (1990).

J.F. Kalaska, D.A.D. Cohen, M.L. Hyde and **M.J.L. Prud'Homme**. A comparison of movement directionrelated activity in primate motor cortex, using a two dimensional reaching task. *J. Neurosciences* 9: 2080-2102 (1989).