### Department of Neurology & Neurosurgery: 2013 Publications

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
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### Antel, Jack

See: Arnold, Douglas (Darlington PJ et al)  
See: Séguéla, Philippe (Wu C et al)  
See: Kennedy, Timothy (Cui QL et al)  
See: Bar-Or, Amit (Moore, CS et al)  
See: Bar-Or, Amit (Henault D et al)  
See: Bedell, Barry (Moore, CS et al)  


Arnold, Douglas

See: Bar-Or, Amit (Bar-Or A et al)
See: Bar-Or, Amit (O’Mahony J et al)
See: Trojan, Daria (Trojan D et al)
See: Bedell, Barry (Moore, CS et al)
See: Collins, Louis (Elliot C et al)


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<tr>
<th>Author(s)</th>
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| Bar-Or, Amit | See: Séguéla, Philippe (Wu C et al)  
See: Arnold, Douglas (Darlington PJ et al)  
See: Arnold, Douglas (Verhey LH et al)  
See: Trojan, Daria (Côté I et al)  
See: Bedell, Barry (Moore CS et al)  

Peer-reviewed:  
Sadaka Y, Verhey LH, Shroff MM, Branson HM, Arnold DL, Narayanan S, Sled JG, **Bar-Or A**, Sadovnick AD, McGowan M, Marrie RA, Banwell B; Canadian... |
Giacomini PS, Rozenberg A, Metz I, Araujo D, Arbour A, Bar-Or A* for the Maraviroc In Multiple Sclerosis Associated PML-IRIS (MIMSAPI) Group. Maraviroc and PML associated immune reconstitution inflammatory syndrome. Accepted, NEJM.

Reviews & Editorials
Barker, Phillip


Ruan, W, Fon, EA, Barker, PA. (2013). Wengen, the sole TNF Receptor family member in Drosophila, regulates cell autonomous and non cell-autonomous axonal targeting. PLOS One. 10.1371.


Bedell, Barry

See: Hamel, Edith (Grand’Maison et al)
See: Hamel, Edith (Hébert et al)


Bedell, B.J., Carbonell, F., Reid, A., Zijdenbos, A.P., Evans, A.C., Charil, A. Cognitive impairment-related alterations in brain functional connectivity: a
hub-based correlation analysis of ADNI data. 11th International Conference on Alzheimer’s & Parkinson’s Diseases, Florence, Italy, March 6-10, 2013.


Ho, M.-K., Zijdenbos, A.P., Zehntner, S.P., Hébert, F., *DeDuck, K,


Bernasconi, Andrea


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Hong SJ*, Bernhardt BC*, Bernasconi N, Bernasconi A. Patterns of large-scale brain network organization in lesional and non-lesional extra-temporal epilepsy. International Epilepsy Congress, Montreal, Canada, 2013

Schrader D*, Andrea Bernasconi. MRI profiling the transmantle sign. International Epilepsy Congress, Montreal, Canada, 2013


**Bourque, Charles**


**Brais, Bernard**

See: McPherson, Peter (Thiffault I et al)


doi: 10.1002/mds.2


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| Collins, Louis              | See: Arnold, Douglas *(Derakhshan M et al)*  
See: Evans, Alan *(Kim, S. H et al)*  
See: Petrecca, Kevin *(Mercier L et al)* |

**Journal Articles**

- D. De Nigris · **D. L. Collins** · T. Arbel, *Fast Rigid Registration of Pre-Operative Magnetic Resonance Images to Intra-Operative Ultrasound for Neurosurgery based on High Confidence Gradient Orientations*, July 2013, Volume 8, Issue 4, pp 649-661
- C. Elliot, **DL Collins**, D.L. Arnold, T Arbel, *“Temporally Consistent Probabilistic Segmentation of New Multiple Sclerosis Lesions in Brain MRI”*, IEEE Transactions on medical imaging 2013 Apr 16. [Epub ahead of print]

Conference proceedings
<table>
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<tr>
<th><strong>De Villers-Sidani, Etienne</strong></th>
<th>See: Avoli, Massimo (Cataldi M et al)</th>
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<tbody>
<tr>
<td>Anomal R*, de Villers-Sidani E, Merzenich MM, Panizzutti R, Manipulation of BDNF signaling modifies the experience-dependent plasticity induced by</td>
<td></td>
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</tbody>
</table>

Non-peer reviewed publications

Di Maio, Salvatore

Non-peer reviewed publications

Durham, Heather

Evans, Alan
See: Collins, Louis (Albaugh M. et al)


Evans AC (2013) Networks of anatomical covariance Neuroimage 80: 489-504


Fellows, Lesley

See: Dagher, Alain (Vainik U et al)

Fon, Edward

Fournier, Alyson

Gotman, Jean
Szaflarski, J.P., Kay, B., Gotman, J., Privitera, M.D., Holland, S.K. The relationship between the localization of the generalized spike and wave

Hamel, Edith


Jones, Barbara


Kennedy, Timothy

See: Séguéla, Philippe (Wu C et al)
See: Antel, Jack (Newcombe J et al)
See: Hamel (McEachern D et al)


Kostikov, Alexei


Ladbon Bernasconi, Neda

See: Bernasconi, Andrea (Blumcke I et al)

See: Bernasconi, Andrea (Bernhardt BC et al)


Lafontaine, Anne-Louise


Restless legs syndrome. Lafontaine AL. Therapeutic choices. Book Chapter

Lapierre, Yves

See: Arnold, Douglas (Freedman MS et al)
See: Bar-Or, Amit (Bar-Or A et al)
See: Trojan, Daria (Côté I et al)

Leblanc, Andrea


Lubarsky, Stuart

| Maleki, Mohammad | See: Marcoux, Judith (de Guise E et al)  
See: Marcoux, Judith (Leblanc J et al) |
|------------------|--------------------------------------------------------------------------------|

Brain Injury, 2013,  
http://infohealthcare.com

H. Al-Jehani, M. Alkutbi, **Maleki**, J. Teitelbaum: *How transcranial Doppler can assess the effect of hyperosmolar therapy and degree of circulatory compromise in acute brain herniation*  
SpringerPlus, 2013, 2: 319  
http://wwwspringerplus.com

Al-Jehani HM, Hall JA, **Maleki**: *Decompressive laparotomy for treatment of refractory intracranial hypertension, thinking out of the box*.  
Journal Neurosciences (Riyadh). 2013 Oct, 18(4): 382-4

**Published abstracts:**

A. Robert, M. Basamh, **Maleki**, J. Marcoux: *Epidural hematomas treated conservatively; when to expect the worse*;  
Can. J. Neurol. Sci., V. 40 (sup 1), May 2013

M. Kia, **Maleki**, J. Marcoux: *When is the best time to start blood thinners after traumatic subdural hematomas*;  
Can. J. Neurol. Sci., V. 40 (sup1), May 2013

A. Alturki, E. DeGuise, J. Leblanc, M. Champoux, **Maleki**, M. Feyz: *The Mini-mental State Examination and Montreal Cognitive Assessment after TBI; an early predictive study*.  
Can. J. Neurol. Sci., V. 40 (sup1), May 2013

P. Martel, **Maleki**, J. *Decompressive Craniectomy in Traumatic Brain Injury; Does size matter?*  

P. Martel, **Maleki**, M. Marcoux: *Subgial hematomas in Craniectomised patients; an unreported life-threatening complication of Decompressive Craniectomy*.  

| Marcoux, Judith | See: Maleki, Mohammad (Robert A et al)  
See: Maleki, Mohammad (Kia M et al) |
|------------------|--------------------------------------------------------------------------------|

Leblanc J, de Guise E, Champoux MC, Couturier C, Lamoureux J, **Marcoux**, M. Maleki M, Feyz M.  *Acute evaluation of conversational discourse skills in traumatic brain injury*.  

Ajlan AR, Al-Jehani H, Torres C, **Marcoux** J. *Deep venous structures distortion in Spontaneous Intracranial Hypotension as an explanation for altered level of consciousness*.  

To Applied Neuropsychology; Accepted for publication February (2013)

**Non-peer reviewed publications**


**McBride, Heidi**


**McPherson, Peter**


**Milner, Brenda**


**Mohr, Gerard**


**Moore, Fraser**


### Murai, Keith

See: Hamel (McEachern D et al)


### Nalbantoglu, Josephine

See: Kennedy, Timothy (Durko M et al)


### Pack, Christopher


### Paudel, Hemant

- *Qureshi, HY, *Han, D., *MacDonald, R. and **Paudel, HK** (2013) Overexpression of 14-3-3z promotes tau phosphorylation at Ser262 and accelerates proteosomal degradation of synaptophysin in rat primary hippocampal neurons PLOS ONE 8, e84615
### Petrecca, Kevin


### Petrides, Michael


Segal, E.* and **Petrides, M**. *Functional activation during reading in relation to the sulci of the angular gyrus region*. European Journal of Neuroscience, 38, 2793-2801. (2013)


Abstracts of Posters Presented at International Conference
(Trainees are marked with a star next to their names)


Postuma, Ron


**Reader, A** Verhaeghe J and Reader A J 2013 “Simultaneous water activation and glucose metabolic rate imaging with PET” Phys Med Biol. 58:393-411
Verhaeghe J and Reader A J 2013 “Accelerated PET water activation acquisition with signal separation methodology” Med. Phys. 40 (3), art. no. 031909
Gravel P, Verhaeghe J and Reader A J 2013 “3D PET image reconstruction including both motion correction and registration directly into an MR or stereotaxic spatial atlas” Phys Med Biol. 58:105-126

Non-peer reviewed publications
Gravel P and Reader A J ”Direct 4D PET MLEM Reconstruction of Parametric Images Using the Simplified Reference Tissue Model with the Basis Function Method for Non-Linear Kinetics” submitted to the 2013 IEEE Medical Imaging Conference
Kotasidis FA, Tsoumpas C, Angelis GI, Matthews JC, Reader A J and Zaidi H ”Impact of Motion on Indirect and Direct Estimation of Kinetic Parameters”
From Dynamic PET Data” Conf. Record of the 2013 IEEE Medical Imaging Conference
Bieth M, Lombaert, Reader AJ and Siddiqi K 2013 “Atlas construction for dynamic (4D) PET using diffeomorphic transformations” (Oral presentation, MICCAI Sep 2013, Nagoya, Japan)

|---|---|


Ruthazer, Edward

See: Hamel (McEachern D et al)


Book chapters:


**Conference abstracts and papers:**


**Sadikot, Abbas**


Schipper, Hyman
*Trainees under Dr. Schipper

Schirrmacher, Esther
Schirrmacher, Ralf

David J. Hayes et al. GABA receptors predict aversion-related brain responses: An fMRI-PET investigation in healthy humans. Neuropsychopharmacology 2013 38, 1438-50


G. Fischer, U. Seibold, R. Schirrmacher, B. Waengler, C. Waengler (2013) $^{89}$Zr, a radiometal nuclide with high potential for molecular imaging with PET: Chemistry, Applications and remaining challenges. Molecules, 18, 6469-6490


Schweinhardt, Petra


Séguéla, Philippe


Shmuel, Amir
Articles in peer reviewed journals


Conference Proceedings


**Shoubridge, Eric**


**Sjostrom, Per Jesper**

Abstracts and conference presentations


Per Jesper Sjöström Curriculum Vitae Page 20 of 22


**Commentaries**
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Tampieri, Donatella


Teitelbaum, Jeanne


Thiel, Alexander

Bernard-Gauthier V, Boudjemelene M, Rosa-Neto P, Thiel A, Schirrmacher R. (2013) Towards tropomyosin-related kinase B (TrkB) receptor ligands for brain imaging with PET: Radiosynthesis and evaluation of 2-(4-


**Book Chapter**


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#### Trojan, Daria


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#### Tsuda, Hiroshi


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#### Tsuda, Hiroshi


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#### Van Meyel, Donald

Ou, Y., Ferreira, T., Li, S., Giniger, E., and **van Meyel, D.J.** *Dendrite architecture organized by transcriptional control of the F-actin nucleator Spire.* (2014) Development 141(3):650-660. (Funding: CIHR) *First two authors contributed equally.*

Camp, D., He, B.H., Charron, F., **van Meyel, D.J.** *Reception and sequestration of the Hedgehog signal: identification of Ihog/Boi-dependent and -independent roles for Ptc.* (in revision, Development).

### Non-peer reviewed publications


### Vieira, Lucy

Roderick J. Finlayson, MD, FRCP, John-Paul B. Etheridge, MD, CCFP, Lucy Vieira, MD, FRCP, Gaurav Gupta, MD, FRCP, and De Q.H. Tran, MD, FRCP

*A Randomized Comparison Between Ultrasound- and Fluoroscopy-Guided Third Occipital Nerve Block.* Regional Anesthesia and Pain Medicine & Volume 38, Number 3, May-June 2013, 212-217

### Zatorre, Robert


Ziller, Matthias

Ziller MG, Thadani VM. Unusual Causes for Asymmetry on EEG. Neurodiagn. J. 53 (3), 252-5. 2013