Thomas Funck

Curriculum Vitae

Education

2013– **PhD Neuroscience**, *McGill University*, Montreal, *GPA – 3.88*.

2011–2013 **MSc Neuroscience**, *McGill University*, Montreal, *GPA – 4.0*.

2006–2010 **BA Philosophy**, *McGill University*, Montreal, *GPA – 3.6*.
First Class Honours

PhD Thesis

Title *Measuring neuronal density in the living brain with high-resolution PET*

Supervisors Alexander Thiel, MD, PhD, and Alan C. Evans, PhD

Masters Thesis

Title *Partial-volume correction for high-resolution positron emission tomography using cortical surface information*

Supervisors Professor Alexander Thiel, MD, PhD

Teaching Experience

2015 **Teaching assistant**, *INDS 212: Human Behaviour*, McGill University, Neuroanatomy and human brain dissection class for medical students..

2016 **Teaching assistant**, *INDS 212: Human Behaviour*, McGill University, Neuroanatomy and human brain dissection class for medical students..

Awards

2014 1st Place Poster Award – Society for Nuclear Medicine and Molecular Imaging

Conference Abstracts

2012 Funck T, Zepper P, Evans A, Thiel A. Cortical Thickness-Based Partial Volume Correction for High Resolution PET. In: Organization for Human Brain Mapping. Beijing

2013 Funck T, Evans A, Thiel A. Cortical surface-based partial volume correction for high-resolution brain PET images. Soc Nucl Med Annu Meet Abstr. 2013;54(Supplement 2):2064

2014 Funck T, Paquette C, Evans A, Thiel A. Effect of partial-volume correction on binding potential in high-resolution PET. J Nucl Med. 2014;55(Supplement 1):2031

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2014 Paquette C, Funck T, Sidel M, Melmed C, Monchi O, Thiel A. Up-regulation of cortical GABA-A receptors in idiopathic Parkinson's syndrome with dyskinesia. J Nucl Med. 55(Supplement 1):1828

2015 Zepper P, Funck T, la Fougere C, Kostikov A, Schirrmacher R, Thiel A. Imaging delayed cell death in subacute stroke with high-resolution 18F-Flumazenil. Soc Nucl Med Annu Meet Abstr. 2012;53(Supplement 1):37.

2016 Funck T, Al-Kuwaiti M, Schipper J, Lepage C, Evans AC, Thiel A. Measuring selective neuronal loss with high resolution PET. In: Organization for Human Brain Mapping. Geneva.

Publications

2014 Funck T, Paquette C, Evans A, Thiel A. Surface-based partial-volume correction for high-resolution PET. Neuroimage. 2014;102:674-687

2015 Schirrmacher R, Dea M, Heiss WD, Kostikov A, *Funck T, Quessy S, Bedell B, Dancause N and Thiel A. Which aspects of stroke do animal models capture? A multitracer micro-PET study of focal ischemia. Cerebrovascular Disease 2015

In Press Funck, T. Al-Kuwaiti, M., Lepage, C., Zepper, P., Minuk, J., Schipper, H.M., Evans, A.C., Thiel. Assessing neuronal density in peri-infarct cortex with PET: effects of cortical topology and partial volume correction. Human Brain Mapping

In Review Pomares, F, Pomares, F., Roy, S., Daigle-Martel, A., Ceko, M., Narayanan, S., Araujo, D., Thiel, A., Stikov, N., Fitzcharles, M., Schweinhardt, P. Multimodal brain imaging indicates distinct origin of altered regional grey matter in chronic pain. Journal of Neuroscience

Computer skills

Basic Haskell

Intermediate Matlab, Linux

Advanced C, Python, Bash

Languages

English **Fluent**

Franch **Fluent**

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