Thomas Funck

Curriculum Vitae

Education

2014– **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

2015-2018 **Teaching assistant**, *INDS 212: Human Behaviour*, McGill University, Neuroanatomy and human brain dissection class for medical students.

2017-2018 **Teaching assistant**, *SCSD 638: Neurolinguistics*, McGill University, Neuroanatomy workshop.

Awards

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

2016 LDI-TD Bank Studentship - 10,000$

2017 Jeanne Timmins Costello Fellowship - 10,000$

2018 Nominated for Best Poster Award – Society for Nuclear Medicine and Molecular Imaging

2018 Ann and Richard Sievers Award - 25,000$

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

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2012 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.

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

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 Funck T, Al-kuwaiti M, Lepage C, Zepper P, Evans A, Thiel A. Surface-based modelling of molecular imaging markers in peri-infarct cortex. In: XXVIIth International Symposium on Cerebral Blood Flow, Metabolism and Function.; 2015.

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. 41(3-4),139-4.

2016 Pomares, F, Funck, T., 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

2017 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

2018 Funck, T., Larcher, K., Toussaint, P.J., Evans, A.C., Thiel., APPIAN: Automated Pipeline for PET Image Analysis. Frontiers in Neuroinformatics 12, 64.

Computer skills

Basic Haskell

Intermediate Matlab, Linux, R

Advanced C, Python, Bash

Languages

English **Fluent**

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French **Fluent**

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