

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 Best Poster Nomination – Society for Nuclear Medicine and Molecular Imaging
2018 Ann and Richard Sievers Award - 25,000\$

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 Schirmacher 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
French	Fluent