

University of Groningen

## Structural and neurochemical correlates of Tourette's disorder and attention-deficit hyperactivity disorder

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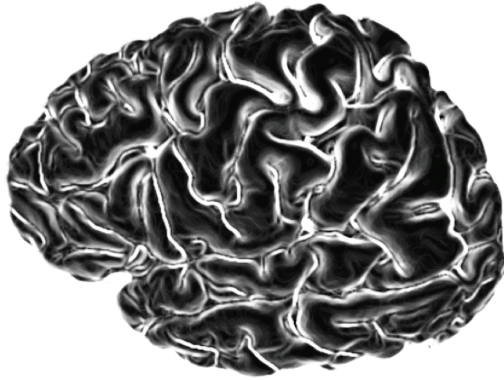
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## **Appendix**

### **About the Author**







## About the Author

Natalie came upon this world through all the usual processes in the year frequently known as 1987. She endured the rigmarole of childhood and adolescence with grit and grace. Despite an affinity for frozen peas and climbing trees she managed to become what is generally referred to as an adult. At that point, however, the information input systems were not scaled back but rather were amped up as she bounced around the laboratory walls in University College Cork to claim a BSc in Chemistry and Forensic Science. By way of sunnier climates in Barcelona a miscalibration resulted in Natalie finding herself in the dense grey mist cloud some people call Galway. Upon her arrival there she found another university from which she wangled a 1.1 Masters in Neuropharmacology. Whilst earning her masters and subsequently working in the Clinical Neuroimaging Laboratory there she also found a narrow pocket of time in which to commandeer her hobby of ice hockey into actual representation of her nation at the World Championships and World Championship Qualifiers.

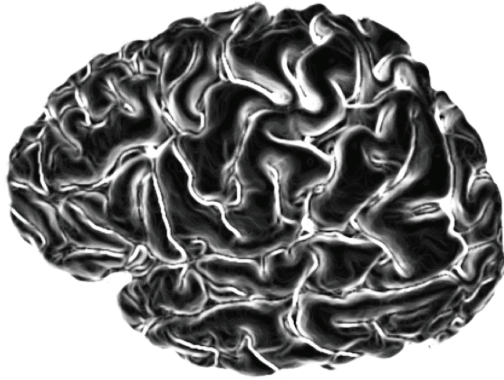
Having acquired some rudimentary Muay Thai skills she successfully fought free of the Galway gloom and found herself laden with ice hockey gear aboard a train one autumn making its way to Groningen. The Masters had not been enough to satiate her thirst for further knowledge acquisition but by then the periphery of the island of Ireland had shrunk too much to accommodate her. The following years in the lowlands saw a plethora of abstruse publications, a wad of symposia contributions and a panoply of brain scans and research which will all finally culminate in her being awarded her Doctorate. Huzzah. But by no means is this the final instalment of Natalie's contribution to the neuroscience pool of knowledge, rather it is the beginning of another era. Ever restless Natalie will soon embark on another adventure.





## **Appendix**

### **Publications**





**Forde NJ**, Ronan L, Zwiers MP, Alexander-Bloch AF, Franke B, Faraone SV, Oosterlaan J, Heslenfeld DJ, Hartman CA, Buitelaar JK, Hoekstra PJ. Healthy cortical development through adolescence and early adulthood. **(2017)** *Brain Structure and Function*

**Forde NJ**, Ronan L, Zwiers MP, Alexander-Bloch AF, Faraone SV, Oosterlaan J, Heslenfeld DJ, Hartman CA, Buitelaar JK, Hoekstra PJ. Cortical gyrification and intrinsic curvature analysis in adolescents and young adults with ADHD. **(2017)** *Frontiers in Neuroscience*

**Forde NJ**, Zwiers MP, Naaijen J, Akkermans SEA, Openneer TJC, Dietrich A, Buitelaar JK, Hoekstra PJ. Basal ganglia structure in Tourette's Disorder and Attention-deficit/Hyperactivity Disorder. **(2016)** *J Movement Disorders*

\***Forde NJ** & \*Kanaan AS et al. TS-EUROTRAIN: A European-wide investigation and training network on the aetiology and pathophysiology of Gilles de la Tourette Syndrome. **(2016)** *Frontiers in Neuroscience*

\*Naaijen J, & \***Forde NJ**, Lythgoe DJ, Akkermans SEA, Openneer TJC, Dietrich A, Zwiers MP, Hoekstra PJ, Buitelaar JK. Fronto-striatal glutamate in children with Tourette's Disorder and Attention-deficit/Hyperactivity Disorder. **(2016)** *Neuroimage Clinical*

**Forde NJ**, O'Donoghue S, Scanlon C, Emsell L, Chaddock C, Leemans A, Jeurissen B, Barker GJ, Cannon DM, Murray R, McDonald C. Structural brain network analysis in families multiply affected with bipolar 1 disorder. **(2015)** *Psychiatry research: Neuroimaging*

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Ellison-wright I, Nathan PJ, Bullmore ET, Zaman R, Dudas R, Agius M, Fernandez-Egea E, Müller U, Dodds CM, **Forde NJ**, Scanlon C, Leemans A, McDonald C, Cannon DM. Distribution of tract deficits in schizophrenia. **(2014)** *BioMed Central Psychiatry*

Emsell L, Chaddock C, **Forde NJ**, Van Hecke W, Barker GJ, Leemans A, Sunaert S, Walshe M, Bramon E, Cannon D, Murray R, McDonald C. White matter microstructural abnormalities in families multiply affected with bipolar I disorder: a diffusion tensor tractography study. **(2013)** *Psychological Medicine*

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**Forde NJ** & \*Naaijen J, Lythgoe DJ, Akkermans SEA, Openneer TJC, Dietrich A, Zwiers MP, Hoekstra PJ, Buitelaar JK. Multi-modal imaging investigation of anterior cingulate cortex cytoarchitecture in neurodevelopment. **(in review)**

**Forde NJ**, Zwiers MP, Akkermans SEA, Naaijen J, Openneer TJC, Dietrich A, Buitelaar JK, Hoekstra PJ. Cortico-striatal-thalamo-cortical white matter microstructure in Tourette syndrome and Attention-Deficit/Hyperactivity disorder. **(in review)**

Naaijen J, Zwiers MP, **Forde NJ**, Williams SCR, Durston S, Brandeis D, Glennon JC, The TACTICS Consortium, Franke B, Lythgoe DJ, Buitelaar JK. Striatal structure and its association with N-Acetylaspartate and glutamate in autism spectrum disorder and obsessive compulsive disorder. **(in review)**

Akkermans SEA, van Rooij D, Naaijen J, **Forde NJ**, Openneer TJC, Dietrich A, Hoekstra PJ, Buitelaar JK. Neural response to reward in Tourette syndrome and/or attention-deficit/hyperactivity disorder. **(in review)**

\*joint first authors



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