

# Do Tromp

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## PhD

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### Summary

Do was born and raised in the Netherlands, where she received her college education at Utrecht University. She then continued her education in the United States and obtained her PhD in Neuroscience at the University of Wisconsin-Madison.

She is generally interested in the intersection between science, technology, environment and health, and hopes to develop novel tools to investigate, forecast and cause positive physical and environmental outcomes.

### Education

#### **PhD: Neuroscience**

University of Wisconsin-Madison, USA — 2013-2018

#### **MSc: Neuroscience & Cognition (Cum Laude)**

Utrecht University, The Netherlands 2007-2010

#### **BSc: Psychology (Majored in Cognitive Neuroscience and Science & Innovation Management)**

Utrecht University, The Netherlands — 2002-2007

#### **AS-levels: Psychology, Computing and English**

Canterbury College, United Kingdom — 2001-2002

#### **High school; Voorbereidend Wetenschappelijk Onderwijs**

Montessori Lyceum Herman Jordan, The Netherlands — 1995-2001

### Skills

- project management
- led collaborative teams
- research/data analysis
- statistics (Python, R, SPSS)
- scientific writing (peer reviewed publications)
- data visualization (adobe photoshop/illustrator, imovie)
- public speaking (national and international conferences)
- programming (python, bash, html, R, matlab)
- hardware development
- teaching/mentoring students

### Experience

#### **Founder; Davis Coworking, USA — 2019-Present**

Do is the founder and owner of Davis Coworking, a shared workspace in Davis, CA. Davis Coworking aims to make work better by providing stimulating work environments, opportunities for learning, and events to bring people together.

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**Vice-chair; Plumshire Board of Directors, USA – 2019-Present**

As the vice-chair of the Plumshire board of directors, Do is responsible for the effective management of the properties owned by Plumshire Inc., which includes offices, apartments, a restaurant, and a dance studio.

**Researcher; University of Wisconsin-Madison, USA – 2018-Present**

**Graduate Student; University of Wisconsin-Madison, USA – 2013-2018**

As a researcher and graduate student in the laboratory of Dr. Ned Kalin, Chair of the UW Psychiatry Department, Do investigates the role of white matter in the development of maladaptive anxiety in children, as well as translational models of anxiety in non-human primates.

**Research Specialist; Waisman Laboratory for Brain Imaging and Behavior, USA – 2010-2013**

In the laboratory of Dr. Andrew Alexander, Director of MR imaging at the Waisman Laboratory for Brain Imaging and Behavior, Do specialized in processing of MRI data in human and non-human primates. Main tasks included pipeline development, image analysis, writing and presenting of research papers and student supervision.

**Participant; WARF Upstart, USA – 2015**

Competitive program for minority and women's entrepreneurship, organized by the Wisconsin Alumni Research Foundation. Demonstrated proficiency with the fundamental skills needed to conceive, fund, organize, and launch a business.

**Founder; diffusion-imaging.com, USA – 2009-Present**

Do developed diffusion-imaging.com, a leading source of diffusion imaging knowledge. The website provides background on the tools, methods and software to effectively analyze DTI data since 2009. Posts include step-by-step processing and analysis tutorials. Currently with over 570k views.

**Founder/Editorial Board; Journal of Neuroscience and Cognition, Utrecht University, The Netherlands – 2007-2008**

Do was the founder and editorial board member of The Journal of Neuroscience & Cognition, an internal report of the Utrecht University Master Program Neuroscience and Cognition. The aim of this journal is to provide students with a first experience of publishing and reviewing.

**Board Member; Brainwave, Student Union of Neuropsychology, Utrecht University, The Netherlands – 2006-2007**

Do was a board member of the student union of neuropsychology, which represents the interests of, and organized activities for, the students of neuropsychology at Utrecht University.

**Research Internships; Utrecht University/University Medical Center/University of Wisconsin, The Netherlands/USA – 2006-2010**

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In the laboratories of Drs. Joke Baas, Frank Wijnen, Jack van Honk, Jack Nitschke and René Mandl, Do served consecutive internships, with roles that included data analysis, task development, supervision and scientific writing.

**Treasurer and Board Member; Student Introduction Committee of Science and Innovation Management, Utrecht University, The Netherlands – 2003-2005.**

Do helped plan and organize the yearly retreats for incoming students of Science and Innovation Management, with the goal of stimulating cohort friendship and cross-cohort mentorship.

### Selected Publications

Full overview available on [Google Scholar](#) (h-index = 14)

**Tromp, D.P.M.**, Fox, A.S., Oler, J.A., Alexander, A.L., Kalin, N.H. (Under review). *The Relationship Between the Uncinate Fasciculus and Anxious Temperament is Evolutionarily Conserved and Sexually Dimorphic.*

**Tromp, D.P.M.**, Williams, L.E., Fox, A.S., Oler, J.A., Rogers, G.M., Benson, B., Alexander, A.L., Pine, D.S., Kalin, N.H. (2019). *Uncinate Fasciculus Microstructure in Childhood Anxiety Disorders is Altered in Boys but not Girls.* American Journal of Psychiatry.

Oler, J.A.\*, **Tromp, D.P.M.\***, Fox, A.S., Fudge, J., & Kalin, Kovner, R., Davidson, R.J., Alexander, A.L., McFarlin, D.R., Birn, R.M., Berg, B.E. Kalin\*, N.H. & Fudge\*, J.L. (2017). *Connectivity between the central nucleus of the amygdala and the bed nucleus of the stria terminalis in the non-human primate: neuronal tract tracing and developmental neuroimaging studies.* Brain Struct Funct.

**Tromp, D.P.M.\***, Grupe, D.W.\*, Oathes, D.J., McFarlin, D.R., Hernandez, P.J., Kral, T.R.A., Lee, J.E., Adams, M., Alexander, A.L., Nitschke, J.B. (2012). *Reduced structural connectivity of a major frontolimbic pathway in generalized anxiety disorder.* Archives of General Psychiatry.

\*Authors contributed equally to the work.

### References

Available upon request

Authorized to work in the U.S.