

Do Tromp

PhD

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davis-coworking.com
diffusion-imaging.com
www.start-a.business

Summary

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

Do was born and raised in the Netherlands, where she received her college education at Utrecht University in the fields of Science & Innovation Management, Psychology, and Neuroscience. She then continued her education in the United States and earned her PhD in Neuroscience.

Her PhD research demonstrated that the microstructure in a specific fiber pathway important for emotion regulation is altered in individuals with high anxiety. The work she was involved in has been cited over 1500 times.

In this period Do also developed diffusion-imaging.com. By offering step-by-step diffusion MRI analysis tutorials and providing an online community of peers this website now provides support for academics worldwide who may otherwise not have had access to this knowledge. To date, diffusion-imaging.com has accumulated over half a million views.

Do is the founder and owner of [Davis Coworking](http://davis-coworking.com), 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.

In 2020 she started the development of www.start-a.business, a curated resource with step-by-step actions that aims to help anyone get their business idea off the ground.

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

- research/data analysis
- business development
- project management
- public speaking (international conferences)
- scientific writing (peer reviewed publications)
- operations
- data visualization (adobe photoshop/illustrator)
- programming (python, bash, html, R, swift)
- statistics (Python, R, SPSS)
- hardware development (MRI coil)
- teaching/mentoring
- marketing

Experience

Founder; www.start-a.business — 2020-Present

Do developed www.start-a.business, a flowchart of curated resources that aims to help anyone get their business idea off the ground. The related iPhone application is scheduled to be introduced fall 2020.

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.

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.

Assistant Researcher; University of Wisconsin-Madison, USA — 2018-Present

As assistant researcher in the laboratory of Dr. Ned Kalin, Chair of the UW Psychiatry Department, Do is involved in data analysis and publishing of manuscripts, as well as providing training for graduate and undergraduate students.

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

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](#) (citations: 1600)

Tromp, D.P.M., Fox, A.S., Oler, J.A., Alexander, A.L., Kalin, N.H. (2019). The relationship between the uncinate fasciculus and anxious temperament is evolutionarily conserved and sexually dimorphic. *Biological psychiatry* 86 (12), 890-898

Tromp, D.P.M., Williams, L.E., Fox, A.S., Oler, J.A., Roseboom, P.H., Rogers, G.M., Benson, B., Alexander, A.L., Pine, D.S., Kalin, N.H. (2019). Altered

uncinate fasciculus microstructure in childhood anxiety disorders in boys but not girls. *American Journal of Psychiatry* 176 (3), 208-216

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.