HAO-TING WANG

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EDUCATION

2015 – Present **Ph.D. candidate in Cognitive Neuroscience and Neuroimaging**
University of York. *(York, United Kingdom)*

2013 – 2014 **Master of Research in Psychology**
University of York. *(York, United Kingdom)*

2009 – 2013 **BSc in Psychology**
National Cheng-Chi University. *(Taipei, Taiwan)*

GRANTS

2017 **Guarantors of Brain Travel Award, £600**
Received funding to attend Machine Learning Summer School, Tübingen, Germany.

2016 **Brainhack Travel Award, $500**
Received funding to attend Brainhack Vienna.

2014 **Department Summer Bursary Award, £1000**
Summer Internship under the supervision of Dr Smallwood. (York, United Kingdom)

RECENT RESEARCH EXPERIENCE

University of York October 2015 – Present
Research Administrator *York, United Kingdom*

· *Experiment design*: build a battery of cognitive functions assessment tasks and standardize the main paradigm used in the lab.
· *Project management*: overlook the project schedule, participant recruitment, experimenter training and data management.
· *Neuroimaging analysis pipeline*: build analysis pipelines with Python libraries Scikit-learn and Nilearn.

National Taiwan University June – August 2015
Research Assistant *Taipei, Taiwan*

· Top university of psychology research in Taiwan
· Collaborated with the National Taiwan University Children's Hospital.
· *Project management*: Scripted behavioral experiment, data collection, data analysis.

RECENT TEACHING EXPERIENCE

University of York October – March 2016
Programming in Neuroimaging *York, United Kingdom*

· Assist the lecturer during lectures, topics covered basic Python, data visualisation, programming experiments, neuroimaging data analysis and shell scripting with bash.
· Answer students' questions in practical sessions.

PROFESSIONAL DEVELOPMENT

June 2017 Machine Learning Summer School, Tübingen, Germany.
Mar. 2017 **Organizing committee**, Brainhack York, York, UK.
Sep. 2016 Brainhack Vienna, Vienna, Austria.
Feb. 2016 Brainhack@Paris, Paris, France.

SKILLS

Languages	Mandarin Chinese(**Native**), English(**Fluent**)
Experiment design	PsychoPy.
Neuroimage analysis	FSL, NiLearn, Freesurfer.
Programming	Python, R, Bash, LaTeX, Git, MATLAB
Operating System	Windows, Linux

SELECTED PUBLICATIONS

Articles

[1] M. Sormaz, C. Murphy, H.-T. Wang, M. Hymers, T. Karapanagiotidis, G. Poerio, D. Margulies, E. Jefferies, and J. Smallwood, "The default mode network can support the level of detail in experience during active task states," *Proceedings of the National Academy of Sciences*, Aug. 2018. DOI: 10.1073/pnas.1721259115.

[2] H.-T. Wang, D. Bzdok, D. Margulies, C. Craddock, M. Milham, E. Jefferies, and J. Smallwood, "Patterns of thought: population variation in the associations between large-scale network organisation and self-reported experiences at rest," *Neuroimage*, vol. 176, pp. 518–527, Aug. 2018. DOI: 10.1016/j.neuroimage.2018.04.064.

[3] C. Murphy, E. Jefferies, S.-A. Rueschemeyer, M. Sormaz, H.-T. Wang, D. Margulies, and J. Smallwood, "Distant from input: Evidence of regions within the default mode network supporting perceptually-decoupled and conceptually-guided cognition," *NeuroImage*, vol. 171, pp. 393–401, May 2018. DOI: 10.1016/j.neuroimage.2018.01.017.

[4] M. Villena-Gonzalez, H.-T. Wang, M. Sormaz, G. Mollo, D. Margulies, E. Jefferies, and J. Smallwood, "Individual variation in the propensity for prospective thought is associated with functional integration between visual and retrosplenial cortex," *Cortex*, vol. 99, pp. 224–234, Feb. 2018. DOI: 10.1016/j.cortex.2017.11.015.

[5] H.-T. Wang, G. L. Poerio, C. Murphy, D. Bzdok, E. Jefferies, and J. Smallwood, "Dimensions of Experience: Exploring the Heterogeneity of the Wandering Mind," *Psychological Science*, vol. 29, no. 1, pp. 56–71, Jan. 2018. DOI: 10.1177/0956797617728727.

[6] D. Vatansever, D. Bzdok, H.-T. Wang, G. Mollo, M. Sormaz, C. Murphy, T. Karapanagiotidis, J. Smallwood, and E. Jefferies, "Varieties of semantic cognition revealed through simultaneous decomposition of intrinsic brain connectivity and behaviour," *NeuroImage*, vol. 158, pp. 1–11, Sep. 2017, ISSN: 10538119. DOI: 10.1016/j.neuroimage.2017.06.067.

[7] G. L. Poerio, M. Sormaz, H.-T. Wang, D. Margulies, E. Jefferies, and J. Smallwood, "The role of the default mode network in component processes underlying the wandering mind," *Social Cognitive and Affective Neuroscience*, vol. 12, no. 7, Jul. 2017, ISSN: 1749-5016. DOI: 10.1093/scan/nsx041.

[8] J. Sanders, H.-T. Wang, J. Schooler, and J. Smallwood, "Can I get me out of my head? Exploring strategies for controlling the self-referential aspects of the mind-wandering state during reading," *The Quarterly Journal of Experimental Psychology*, pp. 1–27, Jun. 2016, ISSN: 1747-0218. DOI: 10.1080/17470218.2016.1216573.

[9] J. Smallwood, T. Karapanagiotidis, F. Ruby, B. Medea, I. de Caso, M. Konishi, H.-T. Wang, G. Hallam, D. S. Margulies, and E. Jefferies, "Representing representation: Integration between the temporal lobe and the posterior cingulate influences the content and form of spontaneous thought," *PLOS ONE*, vol. 11, no. 4, pp. 1–19, Apr. 2016. DOI: 10.1371/journal.pone.0152272.

Conferences

[10] H.-T. Wang, E. Jefferies, and J. Smallwood, "Inhibition of prior mental content contributes to content representation of on-going thoughts," RSBC, Montreal, Canada, Sep. 2018.

[11] H.-T. Wang, D. Bzdok, D. Margulies, C. Craddock, M. Milham, E. Jefferies, and J. Smallwood, "Decomposing self-reports of experience at rest with brain connectivity reveals links to intelligence," OHBM, Singapore, Jun. 2018.

[12] H.-T. Wang, G. L. Poerio, C. Murphy, D. Bzdok, E. Jefferies, and J. Smallwood, "Dimensions of experience: Exploring the heterogeneity of the wandering mind," ICON, Amsterdam, Netherlands, Aug. 2017.

[13] H.-T. Wang, D. Bzdok, C. Murphy, D. Vatansever, G. L. Poerio, J. Smallwood, and E. Jefferies, "Component processes and the wandering mind: Links between spontaneous thought contents, task performance and resting state brain connectivity," RSBC, Vienna, Austria, Sep. 2016.