HAO-TING WANG

haoting.wang@york.ac.uk | https://htwangtw.github.io/

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

Journal Articles

Wang, H.-T., Bzdok, D., Margulies, D., Craddock, C., Milham, M., Jefferies, E., & Smallwood, J. (in press). Patterns of thought: population variation in the associations between large-scale network organisation and self-reported experiences at rest. *Neuroimage*.

Wang, H.-T., Poerio, G. L., Murphy, C., Bzdok, D., Jefferies, E., & Smallwood, J. (2018). Dimensions of Experience: Exploring the Heterogeneity of the Wandering Mind. *Psychological Science*, *29*(1), 56–71. doi: 10.1177/0956797617728727

Villena-Gonzalez, M., **Wang, H.-T.** , Sormaz, M., Mollo, G., Margulies, D., Jefferies, E., & Smallwood, J. (2018). Individual variation in the propensity for prospective thought is associated with functional integration between visual and retrosplenial cortex. *Cortex*, *99*, 224 – 234. doi: doi.org/10.1016/j.cortex.2017.11.015

Murphy, C., Jefferies, E., Rueschemeyer, S.-A., Sormaz, M., **Wang, H.-T.**, Margulies, D., & Smallwood, J. (2018). Distant from input: Evidence of regions within the default mode network supporting perceptually-decoupled and conceptually-guided cognition. *NeuroImage*, *171*(May 2018), 393–401.

Vatansever, D., Bzdok, D., **Wang, H.-T.**, Mollo, G., Sormaz, M., Murphy, C., ... Jefferies, E. (2017). Varieties of semantic cognition revealed through simultaneous decomposition of intrinsic brain connectivity and behaviour. *NeuroImage*, *158*(September 2017), 1–11. doi: 10.1016/j.neuroimage.2017.06.067

Poerio, G. L., Sormaz, M., **Wang, H.-T.**, Margulies, D., Jefferies, E., & Smallwood, J. (2017). The role of the default mode network in component processes underlying the wandering mind. *Social Cognitive and Affective Neuroscience*, *12*(7). doi: 10.1093/scan/nsx041

Sanders, J., **Wang, H.-T.**, Schooler, J., & Smallwood, J. (2016). 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*, 1–27. doi: 10.1080/17470218.2016.1216573

Sormaz, M., Murphy, C., Wang, H.-T., Hymers, M., Karapanagiotidis, T., Poerio, G., ... Smallwood, J. (in press). The default mode network can support the level of detail in experience during active task states. *PNAS*.

Conference Presentations

Wang, H.-T., Bzdok, D., Margulies, D., , Craddock, C., Milham, M., ... Smallwood, J. (2018, June). *Decomposing self-reports of experience at rest with brain connectivity reveals links to intelligence.* Poster presentation at OHBM, Singapore.

Wang, H.-T., Jefferies, E., & Smallwood, J. (2018, September). *Inhibition of prior mental content contributes to content representation of on-going thoughts.* Poster presentation at RSBC, Montreal, Canada.

Wang, H.-T., Poerio, G. L., Murphy, C., Bzdok, D., Jefferies, E., & Smallwood, J. (2017, Aug.). *Dimensions of experience: Exploring the heterogeneity of the wandering mind.* Poster presentation at ICON, Amsterdam, Netherlands.

Wang, H.-T., Bzdok, D., Murphy, C., Vatansever, D., Poerio, G. L., Smallwood, J., & Jefferies, E. (2016, Sep.). *Component processes and the wandering mind: Links between spontaneous thought contents, task performance and resting state brain connectivity.* Poster presentation at RSBC, Vienna, Austria.