

# HAO-TING WANG

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## EDUCATION

**PhD in Cognitive Neuroscience and Neuroimaging**  
University of York

2015 – 2018  
York, United Kingdom

Prof. Jonathan Smallwood and Prof. Elizabeth Jefferies  
Thesis: “Towards an Ontology of Ongoing Thought”

**Master of Research in Psychology**  
University of York

2013 – 2014  
York, United Kingdom

**BSc in Psychology**  
National Chengchi University

2009 – 2013  
Taipei, Taiwan

## RESEARCH POSITIONS

**Postdoctoral Research Associate**  
University of York

2018 – Present  
York, United Kingdom

Working on the ERC grant project—Wandering Minds

**Research Administrator**  
University of York

2015 – 2018  
York, United Kingdom

Experiment design, project management, neuroimaging analysis pipeline

## PUBLICATIONS

### Articles

- Turnbull, A., H.-T. **Wang**, J. W. Schooler, E. Jefferies, D. S. Margulies, and J. Smallwood (2019). “The ebb and flow of attention: Between-subject variation in intrinsic connectivity and cognition associated with the dynamics of ongoing experience”. In: *NeuroImage* 185, pp. 286–299. DOI: 10.1016/j.neuroimage.2018.09.069.
- Sormaz, M., C. Murphy, H.-T. **Wang**, M. Hymers, T. Karapanagiotidis, G. Poerio, D. Margulies, E. Jefferies, and J. Smallwood (2018). “The default mode network can support the level of detail in experience during active task states”. In: *Proceedings of the National Academy of Sciences*. DOI: 10.1073/pnas.1721259115.
- Wang**, H.-T., D. Bzdok, D. Margulies, C. Craddock, M. Milham, E. Jefferies, and J. Smallwood (2018). “Patterns of thought: population variation in the associations between large-scale network organisation and self-reported experiences at rest”. In: *Neuroimage* 176, pp. 518–527. DOI: 10.1016/j.neuroimage.2018.04.064.
- Murphy, C., E. Jefferies, S.-A. Rueschemeyer, M. Sormaz, H.-T. **Wang**, D. Margulies, and J. Smallwood (2018). “Distant from input: Evidence of regions within the default mode network supporting perceptually-decoupled and conceptually-guided cognition”. In: *NeuroImage* 171, pp. 393–401. DOI: 10.1016/j.neuroimage.2018.01.017.
- Villena-Gonzalez, M., H.-T. **Wang**, M. Sormaz, G. Mollo, D. Margulies, E. Jefferies, and J. Smallwood (2018). “Individual variation in the propensity for prospective thought is associated with functional integration between visual and retrosplenial cortex”. In: *Cortex* 99, pp. 224–234. DOI: 10.1016/j.cortex.2017.11.015.
- Wang**, H.-T., G. L. Poerio, C. Murphy, D. Bzdok, E. Jefferies, and J. Smallwood (2018). “Dimensions of Experience: Exploring the Heterogeneity of the Wandering Mind”. In: *Psychological Science* 29.1, pp. 56–71. DOI: 10.1177/0956797617728727.
- Vatansever, D., D. Bzdok, H.-T. **Wang**, G. Mollo, M. Sormaz, C. Murphy, T. Karapanagiotidis, J. Smallwood, and E. Jefferies (2017). “Varieties of semantic cognition revealed through simultaneous decomposition of intrinsic brain connectivity and behaviour”. In: *NeuroImage* 158, pp. 1–11. ISSN: 10538119. DOI: 10.1016/j.neuroimage.2017.06.067.
- Poerio, G. L., M. Sormaz, H.-T. **Wang**, D. Margulies, E. Jefferies, and J. Smallwood (2017). “The role of the default mode network in component processes underlying the wandering mind”. In: *Social Cognitive and Affective Neuroscience* 12.7. ISSN: 1749–5016. DOI: 10.1093/scan/nsx041.
- Sanders, J., H.-T. **Wang**, J. Schooler, and J. Smallwood (2016). “Can I get me out of my head? Exploring strategies for controlling the self-referential aspects of the mind-wandering state during reading”. In: *The Quarterly Journal of Experimental Psychology*, pp. 1–27. ISSN: 1747–0218. DOI: 10.1080/17470218.2016.1216573.

Smallwood, J., T. Karapanagiotidis, F. Ruby, B. Medea, I. de Caso, M. Konishi, H.-T. **Wang**, G. Hallam, D. S. Margulies, and E. Jefferies (2016). “Representing Representation: Integration between the Temporal Lobe and the Posterior Cingulate Influences the Content and Form of Spontaneous Thought”. In: *PLOS ONE* 11.4, pp. 1–19. DOI: 10.1371/journal.pone.0152272.

## Conferences

Wang, H.-T., E. Jefferies, and J. Smallwood (2018). “Inhibition of prior mental content contributes to content representation of on-going thoughts”. In: RSBC. Montreal, Canada.

Wang, H.-T., D. Bzdok, D. Margulies, C. Craddock, M. Milham, E. Jefferies, and J. Smallwood (2018). “Decomposing self-reports of experience at rest with brain connectivity reveals links to intelligence”. In: OHBM. Singapore.

Wang, H.-T., G. L. Poerio, C. Murphy, D. Bzdok, E. Jefferies, and J. Smallwood (2017). “Dimensions of experience: Exploring the heterogeneity of the wandering mind”. In: ICON. Amsterdam, Netherlands.

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

## AWARDS

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2017	Travel Award	Guarantors of Brain	£600
2016	Travel Award	Brainhack Vienna	\$500
2014	Department Summer Bursary Award	University of York	£1000

## TEACHING EXPERIENCE

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<b>University of York</b>	October – March 2016
<i>Programming in Neuroimaging</i>	York, United Kingdom

Teaching assistant. Topics covered basic Python, data visualization, programming experiments, neuroimaging data analysis and shell scripting with bash.

## MENTORING AND SUPERVISION

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Bronte McKeown	Master student	2018 – 2019
Will Strawson	Master student	2018 – 2019

## MEMBERSHIP

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Open Science Interest Group, University of York	2018 – present
Organization of Human Brain Mapping	2017 – present

## PROFESSIONAL DEVELOPMENT

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

## SKILLS

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<b>Languages</b>	Mandarin Chinese( <b>Native</b> ), English( <b>Fluent</b> )
<b>Experiment design</b>	PsychoPy
<b>Neuroimage analysis</b>	FSL, NiLearn, Freesurfer, CONN
<b>Programming</b>	Python, R, Bash, $\LaTeX$ , MATLAB
<b>Research computing</b>	version control (git, GitHub), grid computing (Sun Grid Engine)
<b>Operating System</b>	Windows, GNU/Linux