

Dr. Yin Wang

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Education and Training

- 2015-2018** **Postdoctoral Research Associate,**
Department of Psychology, Temple University, USA
Title: ***Neural Basis of Social Knowledge***
Structural and Functional Connectome of the Social Brain
Supervisor: Prof. Ingrid Olson.
- 2013-2015** **NYU Postdoctoral Fellow,**
Department of Psychology, New York University, USA
Title: ***Perceiving Social Interactions***
Supervisor: Prof. Susanne Quadflieg.
- 2012** **ESRC Postdoctoral Fellow,**
School of Psychology, University of Nottingham, United Kingdom
Title: ***Machiavellian Control of Mimicry in Social Interaction***
Supervisor: Prof. Antonia Hamilton.
- 2008-2011** **PhD in Psychology,**
School of Psychology, University of Nottingham, United Kingdom
Title: ***The Control of Mimicry by Social Signals***
Supervisor: Prof. Antonia Hamilton
- 2004-2008** **BSc (Hons) Biological Sciences,** GPA 3.92/4
School of Life Sciences, Shanghai University, China
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Publications in peer-reviewed English Journals (Google Scholar citations=422, h-index=8)

- Wang, Y., Metoki, A., Alm, K.H., Olson, I.R. (in press). White matter pathways and social cognition. ***Neuroscience & Biobehavioral Reviews***
- Wang, Y., Olson, I.R. (in press). The original social network: white matter and social cognition. ***Trends in Cognitive Sciences***
- Metoki, A., Alm, K.H., Wang, Y., Ngo, C.T., & Olson, I.R. (2017). Never forget a name: white matter connectivity predicts person memory. ***Brain Structure and Function***. 222:4187-4201
- Wang, Y., Collins, J. A., Koski, J., Nugiel, T., Metoki, A., Olson, I.R. (2017). A Dynamic Neural Architecture for Social Knowledge Retrieval. ***Proceedings of the National Academy of Sciences of the USA***, 114(16): E3305–E3314.
- Prinsen, J., Bernaerts, S., Wang, Y., de Beukelaar, T.T., Cuypers, K., Swinnen, S.P., & Alaerts, K. (2017). Direct eye contact enhances mirroring of others' movements: A transcranial magnetic stimulation study. ***Neuropsychologia***, 95:111-118
- Forbes, P., Wang, Y., & Hamilton, A. (2016). STORMy Interactions: Gaze and the Modulation of Mimicry in Adults on the Autism Spectrum. ***Psychonomic Bulletin & Review***, 24:529-535..
- Wang, Y., & Quadflieg, S. (2015). In our own image? Emotional and Neural Processing Differences When Observing Human-Human versus Human-Robot Interactions. ***Social Cognitive and Affective Neuroscience***, 10 (11): 1515-1524
- Wang, Y., Thomas, J., Weissgerber, S. C., Kazemini, S., Ul-Haq, I., & Quadflieg, S. (2015). The Headscarf Effect Re-Visited: Further Evidence For A Culture-Based Internal Face Processing

Advantage. *Perception*, 44(3):328–336

- Wang, Y., & Hamilton, A. (2015). Anterior medial prefrontal cortex implements social priming of mimicry. *Social Cognitive and Affective Neuroscience*, 10(4):486-493
- Wang, Y., & Hamilton, A. (2014). Why does gaze enhance mimicry? Placing gaze-mimicry effects in relation to other gaze phenomena. *Quarterly Journal of Experimental Psychology*, 67(4):747-762.
- Wang, Y., & Hamilton, A. (2013). Understanding the role of the ‘self’ in the social priming of mimicry. *PLoS One*. 8(4):e60249.
- Wang, Y., & Hamilton, A. (2012). Social top-down response modulation (STORM)—a model of the control of mimicry in social interaction. *Frontiers in Human Neuroscience*, 6:153
- Wang, Y., Ramsey, R., & Hamilton, A. (2011). The control of mimicry by eye contact is mediated by medial prefrontal cortex. *The Journal of Neuroscience*, 31(33): 12001-12010
- Wang, Y., Newport, R., & Hamilton, A. (2011). Eye contact enhances mimicry of intransitive hand movements. *Biology Letters*, 7:7-10
- Chen, W., Yuan, T.F., Wang, Y., & Ding, J. (2008). Human mirror neuron system and its plasticity. *Neural Regeneration Research*, 3(3):321-323

Publications in peer-reviewed Chinese Journals

- Zhao, Z., Chen, W., Wang, Y., & Li, Y.S. (2017). Can we have direct access to other minds by “motor resonance”? A critical reassessment. *Chinese Science Bulletin*. 62(1):1-17
- Pan, W., Wang, Y., & Chen, W. (2017). Research on Evolvement and Development Trend of Mentalizing Accounts of Social Cognition ——Reflections on Submentalizing. *Journal of Psychological Science*,
- Pan, W., Chen, W., Wang, Y., & Shan, C.L. (2016). The myth of broken mirror theory of autism: Origins, problems and prospects. *Advances in Psychological Science*, 24: 1-16
- Chen, W., & Wang, Y. (2015). Education based on Mirror Neurons? Is the birth of a New Neuro-myth? *Educational Research*. 2:92-101
- Chen, W., & Wang, Y. (2015). Are Mirror Neurons the “Holy Grail” of Cognitive Science? *Journal of Psychological Science*. 38(1):237-242.
- Chen, W., & Wang, Y. (2013). The Bridge over Troubled Waters: Mirror Neurons and Educational Practice ---- A Critical Review of “Mirror Education”. *Global Education*, 42(2):47-85.
- Wang, Y., Zang, Y.Y., & Chen, W. (2011). From “chameleon effect” to “mirror neurons” and to “echopraxia” —human mimicry is the product of social interactions. *Advances in Psychological Science*, 19(6):916-924
- Wang, Y., & Chen, W. (2010). “Broken Mirror” theory of autism and its limitations. *Advances in Psychological Science*, 18(2):297-305.
- Chen, W., Ding, J., & Wang, Y. (2009). Relationship between children’s belief reasoning, inhibitory control and intention understanding. *Chinese Journal of Clinical Psychology*, 17(2):178-186.
- Chen, W., Ding, J., & Wang, Y. (2009). Study on integration of the interpretation models of theory of mind: a “Stage-classification” framework. *Psychological Research*, 2(3):26-32
- Song, H.S., Wang, Y., Ge, J., Zhang, Y., Sun, Y., & Wang, J.D. (2009) “Method for promoting cell proliferation by *Antheraea yamamai* paralytic peptide”. *C.N. Patent* No.101486993A, 22-Jul-2009.
- Chen, W., Wang, Y., Ding, J., & Zhang, J.H. (2008). The advance in mirror neuron studies of action recognition and understanding in primates. *Acta Anthropologica Sinica*, 27(3):142-146.
- Chen, W., Yuan, T.F., Ding, J., Zhang, J.H., & Wang, Y. (2008). Progress in Anatomical Structure of Mirror Neuron System, *Chinese Journal of Neuroanatomy*, 24(3):219-223.

Awards and Honors

- 2016** Best Poster Award in The 9th Annual Meeting of the Social & Affective Neuroscience Society
- 2013** Exchange Fellowship for Autism Research in China. Jointly funded by Nottingham Institute of Mental Health, UK & Shanghai Mental Health Centre, China (£5000).
- 2011** ESRC Small Research Grant (£78,755.65) (as co-investigator with Prof. Antonia Hamilton)
Fellowship from Summer Institute in Cognitive Neuroscience, University of California, Santa Barbara, USA.
Travel Scholarship from ESF for the European Research Network for Investigating Human Sensorimotor Function in Health and Disease (ERNI-HSF), Galway, Ireland (€500).
Graduate School Travel prize from University of Nottingham for the 1st International Society for Social Neuroscience Symposium, Shanghai, China (£600).
- 2010** Travel Scholarship from the Visceral Mind Summer School, Bangor University, Wales, UK (£200).
Travel Scholarship from Social Cognition Network and Training Scheme for ESCON Workshop on Social Neuroscience, Ghent, Belgium (£200).
- 2009** *Brain* Travel Grant in order to attend the European Society for Psychology and Philosophy (ESPP) conference 2009, Budapest, Hungary (£500).
- 2008** Overseas Research Student Award Scheme (ORSAS) Scholarship from the Secretary of State for Education and Science, UK. (2008-2011) (£52,020.00)
PhD Studentship from the University of Nottingham, UK. (2008-2011) (£40,000.00)
- 2004** Top level scholarship, Shanghai University. (2004-2008, 5000RMB per year)
- 2003** Top class, National Biology Olympiad, China
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Talks and Presentations

- 2016** Wang, Y., Nugiel, T., Unger, A., Olson, I.R. *Retrieving person information visa a multidimensional switchboard*. Poster at the 9th Annual Meeting of Social and Affective Society, New York, USA
- 2015** Wang, Y. *Understanding and responding to other's behavior: Mirror system vs Mentalising system*. Invited Talk at Max Planck Institute of Psychiatry, Munich, Germany
Wang, Y., *Perceiving Social Interactions*. Invited Talk at Institute of Cognitive Neuroscience, University College London, UK
Wang, Y., & Quadflieg, S. *In our own image? Emotional and neural processing differences when observing human-human versus human-robot interactions*. Poster at Implications of Research on the Neuroscience of Affect, Attachment and Social Cognition, London, UK
- 2014** Wang, Y., & Quadflieg, S. *Your brain on social robots: anthropomorphism and the 'uncanny valley' effect investigated with functional MRI*. Poster in SfN's 44th Annual Meeting. Washington DC, USA
Wang, Y. & Hamilton, A. *Anterior medial prefrontal cortex implements social priming of mimicry*. Poster in SfN's 44th Annual Meeting. Washington DC, USA
- 2013** Wang, Y. *The Social Self*. Invited talk presented in the International Students Psychology Association at Columbia University, USA.
Wang, Y. *Autism: a social neuroscience perspective*. Invited talk presented in the Department of Child & Adolescent Psychiatry, Shanghai Mental Health Center, Shanghai, China
- 2012** Wang, Y., & Hamilton, A. *The neural mechanism of social control of mimicry*. Poster presented at 18th Annual meeting of the Organization for Human Brain Mapping, Beijing, China
Wang, Y., & Hamilton, A. *The control of mimicry by implicit and explicit social cues*. Poster presented

at workshop 'Pre-Reflective and Reflective Processing in Social Interaction', Cambridge, UK.

2011 Wang, Y., Ramsey, R., & Hamilton, A. *The control of mimicry by eye contact is mediated by medial prefrontal cortex: a dynamic causal modeling approach*. Poster presented at the first International Society for Social Neuroscience Symposium, Shanghai, China.

2010 Wang, Y., & Hamilton, A. *Mimicry and social cognition*. Talk given at the ESCON Transfer of Knowledge Conference, Gothenburg, Sweden.

Wang, Y., Ramsey, R., & Hamilton, A. *When you look at me, my medial prefrontal cortex urges me to mimic you*. Poster presented at MPI International Summer School on Multimodal Approaches in Neuroscience, Leipzig, Germany.

Wang, Y., Newport, R., & Hamilton, A. *Eye Contact enhances mimicry of intransitive hand movements*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, Montreal, Canada.

2009 Wang, Y., & Hamilton, A. *Mimicry and Autism*. Talk given at the Social Cognition Workshop, University of Nottingham, UK

Wang, Y., Newport, R., & Hamilton, A. *Eye Contact enhances mimicry of intransitive hand movements*. Poster presented at the annual meeting of the European Society for Psychology and Philosophy (ESPP), Budapest, Hungary.

International Activities

Membership of Professional Associations

American Psychological Association (APA), Society for Neuroscience (SFN), Organization for Human Brain Mapping (OHBM), Social & Affective Neuroscience Society (SANS), Society for Social Neuroscience (S4SN), Cognitive Neuroscience Society (CNS)

Ad-Hoc Reviewer

Cerebral Cortex, NeuroImage, PLoS ONE, Social Cognitive and Affective Neuroscience, Social Neuroscience, Biological Psychiatry, Acta Psychologica, Frontiers in Human Neuroscience, Frontiers in Psychology, Psychonomic Bulletin & Review, Autism Research, Experimental Brain Research, Review of Philosophy and Psychology, NeuroReport, Social Influence

Skills

- Functional magnetic resonance imaging (fMRI)
- Diffusion weighted imaging (DWI)
- Neuroimaging connectivity analysis (PPI, DCM, Resting State), MVPA
- *Pohemus* motion tracking system
- Programming: Matlab, C language, Octave
- Data analysis packages: SPM, FSL, SPSS