

Shan Wang

Duke Kunshan University, No 8 Duke Avenue, Kunshan, Jiangsu, China

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EDUCATION

- 2017 PhD in Psychology, University of Bath, UK
 Thesis: *Recognition of facial expressions of pain and emotions using spatial frequency information*
 Advisors: Prof. Edmund Keogh, Prof. Christopher Eccleston
 Funded by the Graduate School Scholarship, University of Bath
- 2011 MSc in Psychology of Individual Differences, University of Edinburgh, UK
 Dissertation: *Is facial and bodily fluctuating asymmetry a marker of schizotypy?*
 Advisor: Prof. Lars Penke
- 2010 PGDip in Psychology of Work and Health, Loughborough University, UK
- 2009 BSc (Hons) in Psychology, Tianjin Normal University, China

EMPLOYMENT

- 2021-Present Senior Research Scientist
 Data Science Research Center, Duke Kunshan University, China
- 2019-Present Assistant Professor of Psychology
 Division of Natural and Applied Science, Duke Kunshan University, China
- 2017-2019 Post-doctorate researcher
 Faculty of Health and Life Sciences, Oxford Brookes University, UK

GRANT & AWARD

- 2021 “*Facial action encoding of pain among Chinese*”
 Natural Sciences among the Universities in Jiangsu Province – General Program
 Principal Investigator; 10/2021-09/2023; 30,000 RMB
- 2021 “*Nonverbal “accents” in the facial expressions of pain – An investigation of ethnic differences between East Asian and Western Caucasian.*”
 International Association for the Study of Pain – Early Career Research Grants
 Principal Investigator; 07/2021-07/2022; 20,000 USD
- 2021 “*Research Network in Computational Technologies for Health and Wellbeing: Sharing, Brainstorming, and Initiating.*”
 DKU – Interdisciplinary Research Network Grants
 Co-Director with other Co-Directors: Xin Tong, Lijing Yan; 10/2021-06/2022; 5,000 RMB
- 2021 “*Influences of environmental changes on non-verbal pain expressions and multi-modal behavioral analysis for pain intensity recognition*”
 DKU – Interdisciplinary Seed Grant
 Principal Investigator with Co-PI Ming Li; 08/2021-07/2023; 76,000 RMB
- 2021 “*Moving lab-based research online: Studying human movement planning & motor control remotely*”
 DKU UG Studies – Summer Research Scholars Program
 Faculty Investigator; 06/2021-08/2021; 25,600 RMB

- 2021 “Nonverbal communication of pain across cultures”
DKU UG Studies – Summer Research Scholars Program
Faculty Investigator; 06/2021-08/2021; 25,600 RMB
- 2020 “Discrepancies between verbal and non-verbal expressions of pain”
Jiangsu Shuangchuang Talent Program – Prestigious Ph.D. Award
Principal Investigator; 07/2020-06/2023; 150,000 RMB
- 2018 “Coordination dynamics in children with developmental coordination disorder”
Oxford Brookes University – Research Excellence Awards
Co-Investigator; PI Kate Wilmut & Co-PI Anna Barnett; 01/2018-06/2019; 20,000 GBP
- 2017 “Movement planning during reach-to-grasp tasks across the lifespan”
Leverhulme Trust – Research Grant
Postdoctoral Researcher; PI Kate Wilmut; 01/2017-12/2018; 52,581 GBP
- 2015 “Temporal dynamics in the decoding of facial expressions of pain”
University of Bath – Department of Psychology Research Fund
PhD student; Advisor Edmund Keogh & Christopher Eccleston; 800 GBP
- 2014 “Nonverbal communication of pain: the decoding of facial expressions”
Santander Bank – Santander Research Awards
PhD student; Advisor Edmund Keogh & Christopher Eccleston; 2,000 GBP
- 2013 “The role of spatial frequency information in the decoding of pain”
University of Bath – Department of Psychology Research Fund
PhD student; Advisor Edmund Keogh & Christopher Eccleston; 1,800 GBP
- 2012 “Recognition of facial expressions of pain and emotions using spatial frequency information”
University of Bath – Graduate School Scholarship
PhD student; Advisor Edmund Keogh & Christopher Eccleston; approx. 50,000 GBP

JOURNAL PUBLICATION

- Wang, S.***, Eccleston, C., Keogh, E. (2021). The time course of facial expression recognition using spatial frequency information: comparing pain and core emotions. *The Journal of Pain*, 22(2), 196-208. doi: 10.1016/j.jpain.2020.07.004
- O'Brien, W.H.* , **Wang, S.**, Varga, A.V., Xu, H., Sims, T., Horan, K.A., Lim, C.X. (2021). Predicting PPE use, post-traumatic stress, and physical symptoms during the early weeks of COVID-19 lockdowns in the USA (April 9 – 18, 2020). *Journal of Contextual Behavioral Science*, 21, 37–47. doi: 10.1016/j.jcbs.2021.05.003
- O'Brien, W.H.* , **Wang, S.**, Xu, H., Wang, S. Yang, Z., Yang, J. T., Liu, Q., Zhang, X., Tang, L., Varga, A.V., Sims, T., Lim, C.X., Jarukasemthawee, S., Pisitsungkagarn, K. (2021). Psychological reactions to COVID-19: Survey data assessing perceived susceptibility, distress, mindfulness, and preventive health behaviors. *Data in Brief*, 34, 106687. doi: 10.1016/j.dib.2020.106687
- Wang, S.**, Williams, J., & Wilmut, K.* (2020). Constraints on motor planning across the life span: Physical, cognitive, and motor factors. *Psychology and Aging*, 35(3), 421–433. doi: 10.1037/pag0000408
- Wilmut, K.* , **Wang, S.** Barnett, A.L. (Under Review). Inter-limb coordination in a novel pedalo task: a comparison of children with and without Developmental Coordination Disorder. *Human Movement Science*.
- O'Brien, W.H.* , **Wang, S.**, Varga, A.V., Lim, C.X., Xu, H., Jarukasemthawee, S., Pisitsungkagarn, K.,

- Braden, A. (Under Review). Psychological flexibility prospectively predicts COVID-19 PPE use across a two-month interval. *Psychology, Health & Medicine*.
- Wilmot, K. *, **Wang, S.** (2019). The ‘why’ of reaching: second-order planning across the adult lifespan. *Psychology and Aging*, 34(3), 431-440. doi: 10.1037/pag0000335
- Keogh, E. *, Cheng, F., **Wang, S.** (2018). Exploring attentional biases towards facial expressions of pain in men and women. *European Journal of Pain*, 22(9), 1617-27. doi: 10.1002/ejp.1244
- Wang, S.***, Eccleston, C., Keogh, E. (2017). The role of spatial frequency information in the decoding of facial expressions of pain: a novel hybrid task. *PAIN*, 158(11), 2233–42. doi: 10.1097/j.pain.0000000000001031
- Wang, S.***, Eccleston, C., Keogh, E. (2015). The role of spatial frequency information in the recognition of facial expressions of pain. *PAIN*, 156(9), 1070-82. doi: 10.1097/j.pain.0000000000000226

CONFERENCE PROCEEDING

- Wang, S.**, Cui, C., Wang, S., Gu, Y. (Submitted). Moving movement research online: validation of computer-based motor cognition tasks. The 2022 Association for Psychological Science Annual Convention (Chicago, May 26-29, 2022).
- Wang, S.**, Wang, S., Cui, C., Gu, Y. (Submitted). Testing the movement kinematics using computer mouse. The 14th International Developmental Coordination Disorder Conference (Vancouver, Jul 6-9, 2022).
- Liu, Z., Chuang, J., **Wang, S.** (Submitted). Can Chinese accurately recognize pain from foreigners’ facial expressions? The IASP 2022 World Congress on Pain (Toronto, Sep 19-23, 2022).
- Wilmot, K., **Wang, S.** & Barnett, A. (2019). Coordination in children with DCD during a novel ‘pedalo’ task. The 13th International Conference on Developmental Coordination Disorder, Jyväskylä, Finland.
- Wang, S.** & Wilmot, K. (2018). Planning for comfort and fine motor skill across the life-span. British Psychological Society Cognitive Section Annual Conference 2018, Liverpool, UK.
- Wilmot, K. & **Wang, S.** (2018). Tailoring reach movements to intended action across the lifespan. British Psychological Society Cognitive Section Annual Conference 2018, Liverpool, UK.
- Wang, S.** & Wilmot, K. (2018). Grip planning and executive functions across the lifespan. The 2018 Cognitive Aging Conference, Atlanta, Georgia, USA.
- Wang, S.** & Wilmot, K. (2018). Planning for action across the lifespan. The 2018 Cognitive Aging Conference, Atlanta, Georgia, USA.
- Keogh, E., Bedford, B., **Wang S.** (2016). Investigating sex differences in selective attentional biases towards pain faces. The 16th World Congress on Pain, Yokohama, Japan.
- Wang, S.**, Eccleston, C., Keogh, E. (2015). How long do we need to detect pain expressions in challenging visual conditions? The 9th Congress of the European Pain Federation, Vienna, Austria.
- Wang, S.**, Eccleston, C., Keogh, E. (2015). Which type of spatial frequency information drives the perception of pain expressions? The 9th Congress of the European Pain Federation, Vienna, Austria.
- Wang, S.**, Eccleston, C., Keogh, E. (2014). The role of perceptual information in the identification of pain. Pain Research Meeting, Maastricht, Netherland.

- Wang, S., Eccleston, C., Keogh, E. (2014).** What facial expression feature plays a more important role in identifying pain – coarse or fine-detailed? Changing Lives – Changing Worlds Graduate Conference, Bath, UK.
- Wang, S., Eccleston, C., Keogh, E. (2013).** Sex differences in the nonverbal communication of pain: Encoding and decoding of facial expressions of pain. The Faculty of Humanities & Social Sciences Postgraduate Conference, Bath, UK.
- Wang, S., Penke, L. (2011).** Is facial and bodily fluctuating asymmetry a marker of schizotypy? Postgraduate Research Symposium, University of Edinburgh, UK.

INVITED TALK

- May 2021 Perception and expression of pain: the psychological mechanisms. Department of Anesthesiology, Tianjin Medical University (by Prof. Dai Shen).
- May 2021 The coupling of cognitive and motor aging. Global Health Research Program, Wuhan University (during visit with DKU Global Health Research Centre).
- Apr 2021 Motor planning across the lifespan. Department of Psychology and Neuroscience, East China Normal University (by Prof. Dazhi Yin).

TEACHING, MENTORING & ADVISING @ DKU

Course Instruction:

- 2019-Present PSYCH 101: Introductory Psychology (Total enrollment: 241 students)
- 2020-Present PSYCH 102: Cognitive Psychology (Total enrollment: 51 students)
- 2020-Present Mini-Term: A “Dark” History of Psychology (Total enrollment: 18 students)

Student Research Mentoring:

- 2021 Graduate Student: 1, Undergraduate students: 9
- 2020 Undergraduate students: 9
- 2019 Undergraduate students: 3

Student Research Grants:

- 2021 *“An investigation of possible mechanisms of the age-related decline in motor planning”*
DKU Global Health Research Center – Interdisciplinary Health Research
Faculty mentor with Co-mentor Lijing Yan for UG students Can Cui & Shiwei Wang
07/2021-06/2022; 30,000 RMB
- 2021 *“COVID-19 vaccination willingness of adult patients with hypertension in Kunshan”*
DKU Global Health Research Center – Interdisciplinary Health Research
Faculty mentor with Co-mentor Chenkai Wu for Graduate student Yuxuan Wang
07/2021-06/2022; 30,000 RMB
- 2021 *“Can Chinese accurately recognize pain from foreigners’ facial expressions?”*
DKU Health Humanities Laboratory – Health Humanities Projects
Faculty mentor to UG student Zack Liu
Summer 2021; 10,000 RMB
- 2020 *“Bulan - Intelligent Time Management Assistant APP”*

College Students Innovation and Entrepreneurship Training Program – Provincial Significant Project Award
Faculty mentor to UG students: Yutong Hu, Yixuan Li, Hua Chai, Jinsheng He
08/2020-07/2021; 20,000 RMB

UG Signature Work Mentoring:

2021 Individual student projects: 4 (1 senior & 3 juniors)

UG Academic Advising:

2021 13 advisees
2020 8 advisees
2019 4 advisees

SERVICE @ DKU

Institutional:

2020-Present Major coordinator for Behavioral Science: Psychology and Neuroscience
2020-Present Institutional Review Board committee member

Professional:

Journal Peer Review: *PAIN, The Journal of Pain, Research in Developmental Disabilities, Human Movement Science, Psychology and Aging, BMC Geriatrics, and Frontiers in Psychology*

Active member of the International Association for the Study of Pain, European Pain Federation, International Society for DCD Research, Association for Psychological Science, British Psychological Society, and American Psychological Association