Han Zhang

POSTDOCTORAL RESEARCH FELLOW

Department of Psychology, University of Michigan

☑ hanzh@umich.edu | 🏫 sites.lsa.umich.edu/hanzh | శ Google Scholar | R R RG | 🖸 Github | 👶 OSF | 💆 Twitter Research Interests_ Attention; distraction; mind-wandering; eye movements Education **University of Michigan** Ann Arbor, MI, USA POSTDOCTORAL RESEARCH FELLOW, DEPARTMENT OF PSYCHOLOGY 06/2020-present · Advisor: Dr. John Jonides **University of Michigan** Ann Arbor, MI, USA DOCTOR OF PHILOSOPHY, EDUCATION AND PSYCHOLOGY 09/2014-05/2020 • Dissertation: Mind-wandering: What Can We Learn from Eye Movements? **University of Michigan** Ann Arbor, MI, USA MASTER OF SCIENCE, PSYCHOLOGY 09/2014-04/2018 **Beijing Normal University** Beijing, China BACHELOR OF SCIENCE, PSYCHOLOGY 09/2010-07/2014 Awards and Grants SINCE POSTDOC Probing attentional allocation with a novel forced-response method 2023 STANDARD GRANT, NATIONAL SCIENCE FOUNDATION \$659,877 • Role: Key Personnel (Postdoc) Investigating interference-control in ADHD using a novel forced-response method 2023 R21, NATIONAL INSTITUTE OF MENTAL HEALTH \$429,000 • Role: Key Personnel (Postdoc) BEFORE POSTDOC Stanley E. and Ruth B. Dimond Best Dissertation Award 2020 SCHOOL OF EDUCATION, UNIVERSITY OF MICHIGAN • Dissertation: Mind-wandering: What Can We Learn from Eye Movements? 2020 ProQuest Distinguished Dissertation Awards (Nomination) 2020 SCHOOL OF EDUCATION, UNIVERSITY OF MICHIGAN **Rackham One-Term Dissertation Fellowship** 2019 RACKHAM GRADUATE SCHOOL, UNIVERSITY OF MICHIGAN \$17417 **Rackham Graduate Student Research Grant** 2019 RACKHAM GRADUATE SCHOOL, UNIVERSITY OF MICHIGAN \$3000 **Rackham Conference Travel Grant** 2019, 2018, 2017 RACKHAM GRADUATE SCHOOL, UNIVERSITY OF MICHIGAN **Rackham Summer Training Award** 2018 RACKHAM GRADUATE SCHOOL, UNIVERSITY OF MICHIGAN \$3700 Professor & Mrs. Cho-Yee To Travel Grant 2017, 2015 SCHOOL OF EDUCATION, UNIVERSITY OF MICHIGAN **China National Scholarship** 2014 MINISTRY OF EDUCATION OF THE PEOPLE'S REPUBLIC OF CHINA

The First Rank Academic Scholarship	2014, 2013
FACULTY OF PSYCHOLOGY, BEIJING NORMAL UNIVERSITY	\$300
Beijing Student Research and Entrepreneurial Action Plan	2013
BEIJING MUNICIPAL COMMISSION OF EDUCATION	\$1500
Undergraduate Student Research Grant	2012
FACULTY OF PSYCHOLOGY, BEIJING NORMAL UNIVERSITY	\$280

Peer-reviewed Articles

Zhang, H., Anderson, N. C., & Miller, K. F. (2021). Scene meaningfulness guides eye movements even during mindwandering. *Attention, Perception, & Psychophysics*. https://doi.org/10.3758/s13414-021-02370-6

Zhang, H., Abagis, T. R., & Jonides, J. (2021). The malleability of attentional capture. *Visual Cognition*. https://doi.org/10.1080/13506285.2021.1915903

Zhang, H., & Jonides, J. (2021). Pre-trial gaze stability predicts momentary slips of attention. *EMICS '21*. ACM CHI '21 workshop on eye movements as an interface to cognitive state. https://psyarxiv.com/bv2uc/

Zhang, H., Anderson, N. C., & Miller, K. F. (2020). Refixation patterns of mind-wandering during real-world scene perception. *Journal of Experimental Psychology: Human Perception and Performance*, 47(1), 36–52. https://doi.org/10.1037/xhp0000877

Zhang, H., Miller, K. F., Sun, X., & Cortina, K. S. (2020). Wandering eyes: Eye movements during mind wandering in video lectures. *Applied Cognitive Psychology*, *34*(2), 449–464. https://doi.org/10.1002/acp.3632

Zhang, H., Qu, C., Miller, K. F., & Cortina, K. S. (2020). Missing the joke: Reduced rereading of garden-path jokes during mind-wandering. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46(4), 638–648. https://doi.org/10.1037/xlm0000745

Zhang, H., Miller, K. F., Cleveland, R., & Cortina, K. S. (2018). How listening to music affects reading: Evidence from eye tracking. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44(11), 1778–1791. https://doi.org/10.1037/xlm0000544

Book Chapters_

Michal, A., Fansher, M., Xin, S., **Zhang, H.**, & Shah, P. (2021). Cognitive development: Methods and illustrative examples. In *The oxford handbook of educational psychology*. Oxford University Press.

Under Review

Adkins, T. J., **Zhang, H.**, Jonides, J., & Lee, T. G. (2023). *What happens after an error?* BioArXiv. https://doi.org/10.1101/2022.03.17.484792

Lee, T. G., Sellers, J., Jonides, J., & **Zhang, H.** (2023). *The forced-response method: A new chronometric approach to measure conflict processing*. PsyArXiv. https://doi.org/10.31234/osf.io/byzqf

Osborne, J., **Zhang, H.**, Carlson, M., Shah, P., & Jonides, J. (2023). *The association between different sources of distraction and symptoms of attention deficit hyperactivity disorder.*

Zhang, H., Abagis, T. R., Steeby, C. J., & Jonides, J. (2023). *Lingering on distraction: Examining distractor rejection in adults with ADHD*. PsyArXiv. https://doi.org/10.31234/osf.io/cqe34

Zhang, H., Miller, K. F., & Jonides, J. (2023). *Does mind-wandering affect distractor suppression?* PsyArXiv. https://doi.org/10.31234/osf.io/2h6kw

Zhang, H., Miyake, A., Shah, P., & Jonides, J. (2023). *Ad factor? Understanding individual differences in distractibility*. PsyArXiv. https://doi.org/10.31234/osf.io/5nzs2

Zhang, H., Xin, S., & Miyake, A. (2023). *On the association between the self-control scale and social desirability measures: A meta-analysis and systematic review*. PsyArXiv. https://doi.org/10.31234/osf.io/j4vy8

Selected Presentations

Zhang, H., Adkins, T., Lee, T., & Jonides, J. (2022, November). *How does the priority map change over time?* Oral presentation at the psychonomic society's 63nd annual meeting.

Zhang, H., Miyake, A., Shah, P., & Jonides, J. (2021, November). *Uncovering the structure of individual differences in distractibility*. Oral presentation at the psychonomic society's 62nd annual meeting.

Zhang, H., Anderson, N. C., & Miller, K. F. (2020, November). *Mind-wandering during scene perception: On the role of meaning and salience*. Poster presented at the psychonomic society's 61st annual meeting.

Zhang, H., Anderson, N. C., & Miller, K. F. (2020, April). *Scan-paths of mind-wandering during real-world scene perception*. The 92nd annual meeting of the midwestern psychological association (conference canceled due to covid-19).

Zhang, H., Qu, C., Miller, K. F., & Cortina, K. S. (2019, November). *Reduced re-reading of garden-path jokes during mindless reading*. Poster presented at the psychonomic society's 60th annual meeting.

Zhang, H., Miller, K. F., Cortina, K. S., & Jiang, T. (2019, June). *Mind-wandering in college classrooms: A mobile eye-tracking study*. Poster presented at SARMAC XIII.

Fischer, A., & **Zhang, H.** (2019, May). *Examining the effect of word predictability during mindless reading*. Poster presented at the association for psychological science annual meeting.

Zhang, H., & Shah, P. (2019, May). What can iPhone's screen time tell about your cognitive functioning? Poster presented at the association for psychological science annual meeting.

Zhang, H. (2019, April). *Mind-wandering: What can we learn from eye-movements?* Oral presentation at the combined program in education and psychology brownbag.

Zhang, H., Miller, K. F., & Sun, X. (2019, March). *Scan-paths of mind-wandering during video lectures*. Poster presented at the international convention of psychological science.

Zhang, H., & Miller, K. F. (2018, November). *How irrelevant speech affects reading: The role of word predictability.* Poster presented at the psychonomic society's 59th annual meeting.

Qu, C., & **Zhang, H.** (2018, May). *All joking aside: Mind-wandering impairs processing of garden-path jokes*. Poster presented at the association for psychological science annual meeting.

Zhang, H., Miller, K. F., & Sun, X. (2018, May). *The wandering eyes: Mind-wandering during video lectures is associated with oculomotor behaviors*. Poster presented at the association for psychological science annual meeting.

Zhang, H., Miller, K. F., Cleveland, R., & Cortina, K. S. (2016, May). *How listening to music affects reading: Evidence from eye tracking*. Poster presented at the association for psychological science annual meeting.

Teaching Experience

PRIMARY INSTRUCTOR

EDUC 391: Educational Psychology and Human Development

09/2017 - 12/2017

COURSE DESIGN; WEEKLY LECTURES; GRADING ASSIGNMENTS AND EXAMS; OFFICE HOURS

GRADUATE STUDENT INSTRUCTOR

PSYCH 457: Research in Educational and Cross-Cultural Settings

01/2020 - 04/2020

GRADING STUDENT ESSAYS AND EXAMS; OFFICE HOURS; SUPERVISING STUDENT RESEARCH PROJECTS

PSYCH 457: Research in Educational and Cross-Cultural Settings

01/2019 - 04/2019

GRADING STUDENT ESSAYS AND EXAMS; OFFICE HOURS; SUPERVISING STUDENT RESEARCH PROJECTS

PSYCH 111: Introduction to Psychology

01/2018 - 04/2018

THREE REVIEW SESSIONS PER WEEK; GRADING ASSIGNMENTS AND EXAMS; OFFICE HOURS

PSYCH 457: Research in Educational and Cross-Cultural Settings

01/2017 - 04/2017

 ${\tt Grading\ student\ essays\ and\ exams;\ office\ hours;\ supervising\ student\ research\ projects}$

PSYCH 240: Intro to Cognitive Psychology

09/2016 - 12/2016

Three review sessions per week; grading assignments and exams; office hours

GRADING STUDENT ESSAYS AND EXAMS; OFFICE HOURS; SUPERVISING STUDENT RESEARCH PROJECTS

PROGRAM ASSISTANT

Global Course Connection: Beijing Normal University

2015 - 2019

SUPERVISING JOINT RESEARCH PROJECTS BETWEEN US AND CHINESE STUDENTS; ORGANIZING STUDENT ACTIVITIES

Grant-writing Experience

Investigating interference-control in ADHD using a novel forced-response method

2022

R21, NATIONAL INSTITUTE OF MENTAL HEALTH

Funded

· Role: Conceptualization; original draft preparation; formal analysis; reviewing & editing

Probing attentional allocation with a novel forced-response method

2022

NATIONAL SCIENCE FOUNDATION

Funded

· Role: Conceptualization; original draft preparation; formal analysis; reviewing & editing

Testing the efficacy of interactive decision aids on vaccine attitudes and uptake using a Bayesian precision estimates

2022

MERCK INVESTIGATOR STUDIES PROGRAM

Pending

· Role: reviewing & editing

Uncovering mechanisms of interference-resolution with a novel forced-response method

2022

NATIONAL SCIENCE FOUNDATION

Not Funded

· Role: Conceptualization; original draft preparation; formal analysis; reviewing & editing

Dissecting Distractibility by the Capture of Attention

2021

NATIONAL SCIENCE FOUNDATION

Not Funded

· Role: Original draft preparation; formal analysis; reviewing & editing

Mitigating distraction from external and internal sources

2020

NATIONAL SCIENCE FOUNDATION

Not Funded

· Role: Original draft preparation; formal analysis; reviewing & editing

Failure to resist external and internal distraction in ADHD

2019

R01, NATIONAL INSTITUTE OF MENTAL HEALTH

Not Funded

· Role: Formal analysis; original draft preparation; reviewing & editing

Professional Service

AD HOC REVIEWER

- · Memory & Cognition
- NeuroImage
- Visual Cognition
- Cognitive Science
- · Scientific Studies of Reading
- Frontiers in Psychiatry
- · Psychological Research
- Cognition
- Scientific Reports

References

John Jonides, Ph.D.

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EDWARD E. SMITH PROFESSOR OF PSYCHOLOGY AND NEUROSCIENCE; CO-DIRECTOR, FUNCTIONAL MRI CENTER, UNIVERSITY OF MICHIGAN; SENIOR EDITOR, PSYCHOLOGICAL SCIENCE

Kevin F. Miller, Ph.D.

kevinmil@umich.edu; 734-615-1800

PROFESSOR OF PSYCHOLOGY AND EDUCATION, UNIVERSITY OF MICHIGAN

June 2023 Han Zhang · Curriculum Vitae

Priti Shah, Ph.D. priti@umich.edu; 734-615-3745

 ${\tt Professor}\ of\ {\tt Cognition}\ \&\ {\tt Cognitive}\ {\tt Neuroscience}\ {\tt and}\ {\tt Educational}\ {\tt Psychology}, {\tt University}\ of\ {\tt Michigan}$

Kai S. Cortina, Ph.D. schnabel@umich.edu; 734-615-3809

Professor of Psychology, University of Michigan