BROOKE N. MACNAMARA

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ACADEMIC APPOINTMENTS

Purdue University	
Associate Professor (with tenure), Psychological Sciences	2024 - present
Case Western Reserve University	
Associate Professor (with tenure), Psychological Sciences	2019 - 2024
Assistant Professor, Psychological Sciences	2014 - 2019
EDUCATION	
Princeton University	
PhD, Psychology	2014
Princeton University	
MA, Psychology	2010
Union Institute & University	
MA, Interdisciplinary Studies	2007
Columbia College Chicago	
BA, American Sign Language-English Interpretation	2001

EXTERNAL FUNDING

Army Research Institute	2022 - 2025
Understanding change in performance: The roles of cognitive abilities, "hot" cognition, and context	\$1,034,940.00
Role: Principal Investigator	Status: Funded
National Science Foundation	2021 - 2025
FW-HTF-R: Impact of artificial intelligence aids on clinical skill	\$1,999,999.00

acquisition, atrophy and adaptation

Role: Co-Investigator (PI: Soumya Ray)	Status: Funded
National Science Foundation FW-HTF-P: Clinical skill acquisition, retention and atrophy with artificial intelligence aids	2020 - 2020 \$150,000.00
Role: Co-Investigator (PI: Soumya Ray)	Status: Completed
National Science Foundation Doctoral dissertation research: A novel approach to investigate psychological processes in language: Contrasting bilinguals and interpretors	2013 – 2015 \$14,139.00
interpreters <u>Role</u> : Recipient (Advisor: Andrew R. A. Conway)	Status: Completed

PUBLICATIONS

^u = undergraduate student; ^g = graduate student; ^p = postdoctoral advisee

[prereg] = preregistered; [open] = open data; [n/a] = no empirical data

- 56. Burgoyne, A. P., Frank, D. J., & Macnamara, B. N. (2024). Which "working memory" are we talking about? Complex span tasks versus N-back. Psychonomic Bulletin & Review. https://doi.org/10.3758/s13423-024-02622-0
- 55. Müller, S. Morris-Binelli, K., Hambrick, D. Z., & Macnamara, B. N. (2024). Accelerating visual anticipation in sport through temporal occlusion training: A meta-analysis. *Sports Medicine*, 54, 2597–2606. https://doi.org/10.1007/s40279-024-02073-6
- 54. Macnamara, B. N., ^gBerber, I., Çavuşoğlu, M. C., Krupinski, E., ^gNallapareddy, N., ^gNelson, N. E., Smith, P. J., Wilson-Delfosse, A. L., & Ray, S. (2024). Does using artificial intelligence assistance accelerate skill decay and hinder skill development without performers' awareness? *Cognitive Research: Principles and Implications*, 9(46). https://doi.org/10.1186/s41235-024-00572-8 [n/a]
- 53. Macnamara, B. N., Prather, R. W., & Burgoyne, A. P. (2023). Beliefs about success are prone to cognitive fallacies. *Nature Reviews Psychology*, 2, 716–717. https://doi.org/10.1038/s44159-023-00255-z [n/a]
- 52. Macnamara, B. N., & Burgoyne, A. P. (2023). A spotlight on bias in the growth mindset intervention literature: A reply to commentaries that contextualize the discussion (Oyserman, in press; Yan & Schuetze, in press) and illustrate the conclusion (Tipton et al., in press). *Psychological Bulletin*, 149(3–4), 242–258. [n/a] https://doi.org/10.1037/bul0000394

- 51. Macnamara, B. N., & Burgoyne, A. P. (2023). Do growth mindset interventions impact students' academic achievement? A systematic review and meta-analysis with recommendations for best practices. *Psychological Bulletin*, 149(3–4), 133–173. [prereg; open] https://doi.org/10.1037/bul0000352
- 50. ^gBarnett, M. K., & Macnamara, B. N. (2023). Individual responses versus aggregate grouplevel results: Examining the strength of evidence for growth mindset interventions on academic performance. *Journal of Intelligence*, 11(104). [n/a] https://doi.org/10.3390/jintelligence11060104
- 49. Barth, M., Güllich, A., **Macnamara, B. N.**, & Hambrick, D. Z. (2023). Quantifying the extent to which junior performance predicts senior performance in Olympic sports: A systematic review and meta-analysis. *Sports Medicine*, *53*(6), 1201–1217. [prereg; open] https://doi.org/10.1007/s40279-023-01906-0
- 48. Frank, D. J., King, M. J., ^gDennard, C., & Macnamara, B. N. (2023). Discriminant function analysis reveals which combination of measures from the NFL Combine predict NFL performance. *Journal of Expertise*, 6(2). [open] https://www.journalofexpertise.org
- 47. Güllich, A., Barth, M., Macnamara, B. N., & Hambrick, D. Z. (2023). Participation patterns in talent development in youth sports. *Frontiers in Sports and Active Living*, 5(1175718). [n/a] https://doi.org/10.3389/fspor.2023.1175718
- 46. Güllich, A., Barth, M., Macnamara, B. N., & Hambrick, D. Z. (2023). Quantifying the extent to which successful juniors and successful seniors are two disparate populations: A systematic review and synthesis of findings. *Sports Medicine*, 53(6), 1201–1217. [prereg; open] https://doi.org/10.1007/s40279-023-01840-1
- 45. Güllich, A., Barth, M., Macnamara, B. N., & Hambrick, D. Z. (2023). What makes champions? Childhood multi-sport practice facilitates long-term performance development. In R. Jeans & M. Toms (Eds.) *Routledge handbook of coaching children*. Routledge. [n/a]
- 44. "Daniels, J. S., Moreau, D., & Macnamara, B. N. (2022). Learning and transfer in problem solving progressions. *Journal of Intelligence*, 10(4). [prereg; open] https://doi.org/10.3390/jintelligence10040085
- 43. Barth, M., Güllich, A., Macnamara, B. N., & Hambrick, D. Z. (2022). Predictors of junior versus senior elite performance are opposite: A systematic review and meta-analysis of participation patterns. *Sports Medicine*, 52, 1399–1416. [open] https://doi.org/10.1007/s40279-021-01625-4
- 42. Güllich, A., Macnamara, B. N., Barth, M., & Hambrick, D. Z. (2021). Further muddying the waters? A comment on Bell et al.'s 2021 definition of "youth sport specialization." *Journal of Athletic Training*, 56(11), 1252–1254. [n/a] https://doi.org/10.4085/1062-6050-1010-21

- 41. ^g Jiang, H., Yu, W., Lin, D., Macnamara, B. N. (2021). Resilience of adolescents, though weakened during pandemic-related lockdown, serves as a protection against depression and sleep problems. *Psychology, Health & Medicine*, 1–12. [prereg; open] https://doi.org/10.1080/13548506.2021.1990367
- 40. Burgoyne, A. P., & Macnamara, B. N. (2021). Reconsidering the use of the Mindset Assessment Profile in educational contexts. *Journal of Intelligence*, 9(3), 31, 1–11. [prereg; open] https://doi.org/10.3390/jintelligence9030039
- 39. Güllich, A., Macnamara, B. N., & Hambrick, D. Z. (2021). What makes a champion? Early multi-disciplinary practice, not early specialization, predicts world-class performance. *Perspectives on Psychological Science*, 17(1), 6–29. [open] https://doi.org/10.1177/1745691620974772
- 38. ^gNavarro, E., Macnamara, B. N., Glucksberg, S., & Conway, A. R. A. (2020). What influences successful communication? An examination of cognitive load and individual differences. *Discourse Processes*, 57(10), 880–899. [prereg (Experiment 3); open] https://doi.org/10.1080/0163853X.2020.1829936
- 37. Hambrick, D. Z., Macnamara, B. N., & Oswald, F. L. (2020). Is the deliberate practice view defensible? A review of evidence and discussion of issues. *Frontiers in Psychology*, 11, 1134, 1–21. [n/a] https://doi.org/10.3389/fpsyg.2020.01134
- 36. ^pFrank, D. J., & Macnamara, B. N. (2020). How do task characteristics affect learning and performance? The roles of simultaneous, interactive, and continuous tasks. *Psychological Research*, 85, 2364–2397. [prereg; open] https://doi.org/10.1007/s00426-020-01394-1
- 35. Hambrick, D. Z., & Macnamara, B. N. (2020). Toward a science of expertise: Obstacles, implications, and applications. In S. McCauley (Ed.), *Conceptual frameworks for giftedness and talent development* (pp. 55–92). Prufrock Press. [n/a]
- 34. ^gKing, M. J., & Macnamara, B. N. (2020). Three visual working memory representations simultaneously control attention. *Nature: Scientific Reports*, 10, 10504, 1–9. [prereg] https://doi.org/10.1038/s41598-020-67455-y
- 33. ^pFrank, D. J., Demaree, H.A., & Macnamara, B. N. (2020). The role of individual differences in risk learning: Who learns to place optimal wagers? *Learning and Motivation: Individual Differences*, 71, 101633, 1–10. https://doi.org/10.1016/j.lmot.2020.101633
- 32. Macnamara, B. N., & Hambrick, D. Z. (2020). Toward a cumulative science of expertise: Commentary on Moxley, Ericsson, and Tuffiash (2017). *Psychological Research*, 85, 1108–1113. [n/a] https://doi.org/10.1007/s00426-020-01307-2

- 31. ^gBurgoyne, A. P., Hambrick, D. Z., & Macnamara, B. N. (2020). How firm are the foundations of mindset theory? *Psychological Science*, 31(3), 258–267. [prereg; open] https://doi.org/10.1177/0956797619897588
- Macnamara, B. N., & Maitra, M. (2019). The role of deliberate practice in expert performance: Revisiting Ericsson, Krampe, & Tesch-Römer (1993). *Royal Society Open Science*, 6, 190327, 1–19. [prereg; open] https://doi.org/10.1098/rsos.190327
- 29. Hambrick, D. Z. & Macnamara, B. N. (2019). More confusion about deliberate practice: Commentary on Miller et al. (2018). *High Ability Studies*, *30*(2), 291–294. [n/a] https://doi.org/10.1080/13598139.2019.1607723
- 28. ^pFrank, D. J., & Macnamara, B. N. (2019). Retrieval shifts in spatial skill acquisition are collective rather than item-specific. *Memory & Cognition*, 47, 1344–1358. [prereg; open] https://doi.org/10.3758/s13421-019-00937-1
- 27. ^gBurgoyne, A. P., Nye, C. D., Macnamara, B. N., Charness, N., & Hambrick, D. Z. (2019). The impact of domain specific experience on chess skill: Re-analysis of a key study. *American Journal of Psychology*, 132(1), 27–38. [n/a] https://www.jstor.org/stable/10.5406/amerjpsyc.132.1.0027
- 26. ^gKing, M. J., ^gKatz, D. P., Thompson, L. A., & Macnamara, B. N. (2019). Genetic and environmental influences on spatial reasoning: A meta-analysis of twin studies. *Intelligence*, 73, 65–77. [prereg; open] https://doi.org/10.1016/j.intell.2019.01.001
- 25. Moreau, D., Macnamara, B. N., & Hambrick, D. Z. (2019). Overstating the role of environmental factors in success: A cautionary note. *Current Directions in Psychological Science*, 28(1), 28–33. [n/a] https://doi.org/10.1177/0963721418797300
- 24. Macnamara, B. N., & ^pFrank, D. J. (2018). How do task characteristics affect learning and performance? The roles of variably mapped and dynamic tasks. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 44*(5), 764–778. https://doi.org/10.1037/xlm0000487
- 23. "Sisk, V. F., "Burgoyne, A. P., "Sun, J., Butler, J. L., & Macnamara, B. N. (2018). To what extent and under which circumstances are growth mindsets important to academic achievement? Two meta-analyses. *Psychological Science*, 29(4), 549–571. [open] https://doi.org/10.1177/0956797617739704
- 22. Hambrick, D. Z., ^gBurgoyne, A. P., Macnamara, B. N., & Ullén, F. (2018). Toward a multifactorial model of expertise: Beyond born versus made. *Annals of the New York Academy of Sciences*, 1423(1), 284–295. [n/a] https://doi.org/10.1111/nyas.13586
- 21. ^pFrank, D. J., & Macnamara, B. N. (2017). Does the acquisition of spatial skill involve a shift from algorithm to memory retrieval? *Journal of Experimental Psychology: Learning, Memory, and Cognition, 43*(12), 1845–1856.

https://doi.org/10.1037/xlm0000429

- 20. Macnamara, B.N., Hambrick, D. Z., ^pFrank, D. J., ^gKing, M. J., ^gBurgoyne, A. P., & Meinz, E. J. (2017). The deliberate practice view: An evaluation of definitions, claims, and empirical evidence. In D. Z. Hambrick, G. Campitelli, & B. N. Macnamara (Eds.), *The science of expertise: Behavioral, neural, and genetic approaches to complex skill* (pp. 151–168). Routledge. [n/a]
- Hambrick, D. Z., Campitelli, G., & Macnamara, B. N. (2017). Introduction: A brief history on the science of expertise and overview of the book. In D. Z. Hambrick, G. Campitelli, & B. N. Macnamara (Eds.), *The science of expertise: Behavioral, neural, and genetic approaches to complex skill* (pp. 1–10). Routledge. [n/a]
- Macnamara, B. N., & "Rupani, N. S. (2017). The relationship between intelligence and mindset. *Intelligence*, 64, 52–59. [open] https://doi.org/10.1016/j.intell.2017.07.003
- Hambrick, D. Z., ^gBurgoyne, A., Campitelli, G., & Macnamara, B. N. (2017). Working memory, thinking, and expertise. In L. J. Ball & V. A. Thompson (Eds.), *International handbook of thinking and reasoning* (pp. 268–288). Routledge. [n/a]
- 16. ^gSala, G., ^gBurgoyne, A., Campitelli, G., Macnamara, B. N., Hambrick, D. Z., & Gobet, F. (2017). Checking the "academic selection" argument. Chess players outperform non-chess players in cognitive skills related to intelligence: A meta-analysis. *Intelligence*, 60, 130–139. [open] https://doi.org/10.1016/j.intell.2017.01.013
- Gonthier, C., Macnamara, B. N., ^gChow, M., Conway, A. R. A., & Braver, T. S. (2016). Inducing proactive control shifts in the AX-CPT. *Frontiers in Psychology*, 7, 1822, 1– 14. [open] https://doi.org/10.3389/fpsyg.2016.01822
- 14. Hambrick, D. Z., Macnamara, B. N., Campitelli, G., Ullén, F., & Mosing, M. (2016). A new look at expertise: Beyond the experts are born vs. made debate. In B. Ross (Ed.), *Psychology of learning and motivation, Volume 64* (pp. 1–55). Elsevier. [n/a]
- 13. Hambrick, D. Z. & Macnamara, B. N. (2016). Expertise. In S. K. Whitbourne (Ed.), *The encyclopedia of adulthood and aging* (pp. 1–6). John Wiley and Sons. [n/a]
- ^gBurgoyne, A. P., ^gSala, G., Gobet, F., Macnamara, B. N., Campitelli, G., & Hambrick, D. Z. (2016). The relationship between cognitive ability and chess skill: A comprehensive meta-analysis. *Intelligence*, 59, 72–83. [open] https://doi.org/10.1016/j.intell.2016.08.002
- Macnamara, B. N., & Conway, A. R. A. (2016). Working memory capacity as a predictor of simultaneous language interpreting performance. *Journal of Applied Research in Memory and Cognition*, 5(4), 434–444. https://doi.org/10.1016/j.jarmac.2015.12.001

- Macnamara, B. N., Hambrick, D. Z., & Moreau, D. (2016). How important is deliberate practice? Reply to Ericsson (2016). *Perspectives on Psychological Science*, 11(3), 355–358. [n/a] https://doi.org/10.1177/1745691616635614
- 9. Macnamara, B. N., Moreau, D., Hambrick, D. Z. (2016). The relationship between deliberate practice and performance in sports: A meta-analysis. *Perspectives on Psychological Science*, 11(3), 333–350. [open] https://doi.org/10.1177/1745691616635591
- 8. ^gChow, M. A., Macnamara, B. N., & Conway, A. R. A. (2016). Phonological similarity in working memory span tasks. *Memory & Cognition*, 44, 937–949. [open] https://doi.org/10.3758/s13421-016-0609-8
- 7. ^gMacnamara, B. N., Hambrick, D. Z., & Oswald, F. L. (2014). Deliberate practice and performance in music, games, sports, professions, and education: A meta-analysis. *Psychological Science*, 25(8), 1608–1618. [open] https://doi.org/10.1177/0956797614535810
- 6. ^gMacnamara, B. N. & Conway, A. R. A. (2014). Novel evidence in support of the bilingual advantage: Influence of task demands and experience on cognitive control and working memory. *Psychonomic Bulletin & Review, 21*, 520–525. https://doi.org/10.3758/s13423-013-0524-y
- 5. Conway, A. R. A., ^gMacnamara, B. N., & Engel de Abreu, P. M. J. (2013). Working memory and intelligence: An overview. In T. P. Alloway & R. G. Alloway (Eds.) Working memory: The connected intelligence (pp. 13–36). Psychology Press. [n/a]
- 4. ^gMacnamara, B. N., ^gMoore, A. B., & Conway, A. R. A. (2011). Phonological similarity effects in simple and complex span tasks. *Memory & Cognition, 39*, 1174–1186. https://doi.org/10.3758/s13421-011-0100-5
- 3. Conway, A. R. A., ^g Getz, S. J, ^gMacnamara, B. N., & Engel de Abreu, P. M. J. (2011). Working memory and intelligence. In R. J. Sternberg & S. B. Kaufman (Eds.), *The Cambridge handbook of intelligence* (pp. 394–418). Cambridge University Press. [n/a]
- ^gMacnamara, B. N., ^gMoore, A. B., Kegl, J. A., & Conway, A. R. A. (2011). Domaingeneral cognitive abilities and simultaneous interpreting skill. *Interpreting*, 13, 121– 142. https://doi.org/10.1075/intp.13.1.08mac
- ^gMacnamara, B. N. (2009). Interpreter cognitive aptitudes. *Journal of Interpretation*, 2008-2009, 9-32. Reprint in *Journal of Interpretation* (2012), v. 19. http://digitalcommons.unf.edu/joi/vol19/iss1/1

INVITED SPOKEN PRESENTATIONS

- Macnamara, B. N. (2024, October). *Theories of achievement and cognitive fallacies*. [Invited presentation]. Psychology Department Colloquium, Youngstown State University, Youngstown, OH.
- Macnamara, B. N. (2024, September). *Factors associated with Olympic greatness*. [Invited presentation]. CSR 309 Leadership Strategies, Purdue University, West Lafayette, IN.
- Macnamara, B. N. (2024, September). *How sports champions develop may not be how you think*. [Invited presentation]. Department of Kinesiology, Purdue University, West Lafayette, IN.
- Macnamara, B. N. (2024, September). *Theories of achievement and cognitive fallaces*. [Invited presentation]. Attention and Perception Brown Bag, University of Illinois, Champaign–Urbana, IL.
- Macnamara, B. N. (2024, August). *Popular theories of achievement: The claims are stronger than the evidence.* [Invited presentation]. Clinical Psychology Area Colloquium, Purdue University, West Lafayette, IN.
- Macnamara, B. N. (2024, July). *Popular theories of skill acquisition, expertise, and achievement: Their empirical status.* [Welcoming lecture]. International Society of Intelligence Research Conference, Zurich, Switzerland.
- Macnamara, B. N. (2024, June). [Keynote address]. 28th International Symposium on Translation and Interpreting Teaching, Taipei City, Taiwan. *Note*. I needed to decline this invitation for logistical reasons.
- Macnamara, B. N. (2024, April). *How sports champions develop may not be how you think*. [Invited presentation]. German Research Centre of Elite Sport Congress. Cologne, Germany [virtual presentation].
- Macnamara, B. N. (2024, February). *Theories and predictors of skill acquisition, expertise, and achievement*. [Invited presentation]. Department of Psychological Sciences, Purdue University, West Lafayette, IN.
- Macnamara, B. N. (2024, February). *Theories and predictors of skill acquisition, expertise, and achievement*. [Invited presentation]. Department of Psychology, University of Central Florida, Orlando, FL.
- Macnamara, B. N. (2023, December). Growth mindset interventions: A meta-analysis and best practices recommendations. [Invited presentation and meta-analysis workshop].
 Advanced Analytical Methods for Generalizable Research course, School of Management, Case Western Reserve University, Cleveland, OH.

- Macnamara, B. N. (2023, November). *Theories and predictors of personal achievement*. [Invited presentation]. Department of Psychology, University of Waterloo, Waterloo, ON, Canada.
- Macnamara, B. N. (2023, July). *How sports champions develop may not be how you think*. [Invited presentation]. European College of Sports Science Congress, Paris, France.
- Macnamara, B. N. (2021, April). *Interpreting as complex human performance: The role of cognitive abilities, experience, and task demands.* [Keynote address]. 2nd International Conference on Interpreting, Hong Kong [virtual presentation].
- Macnamara, B. N. (2020, December). *The '10,000-hour rule' and other misconceptions about the role practice plays in expertise.* [Invited presentation]. Southern Society for Philosophy and Psychology Annual Conference, virtual.
- Macnamara, B. N. (2019, October). *How well does deliberate practice explain performance variance?* [Invited presentation]. Psychology Department Colloquium, St. John's University, New York, NY.
- Macnamara, B. N. (2019, February). *Examining predictors and theories of skilled performance variance*. [Invited presentation]. Psychology Department Viking Series, Cleveland State University, Cleveland, OH.
- Macnamara, B. N. (2018, September). Examining popular theories for why some people are more successful than others: Similarities in trends from cognitive and social psychology. [Invited presentation]. Psychology Department Colloquium, Claremont Graduate University, Claremont, CA.
- Macnamara, B. N. (2018, September). *How important are growth mindsets to achievement?* [Invited presentation]. Psychology Department, University of British Columbia, Vancouver, BC, Canada.
- Macnamara, B. N. & Hambrick, D. Z. (2016, May). *Skill acquisition and expertise*. [Invited symposium]. Midwestern Psychological Association Annual Conference, Chicago, IL.
- Macnamara, B. N. & ^pFrank, D. J. (2016, May). *The role of task demands in predicting performance*. [Presentation in invited symposium]. Midwestern Psychological Association Annual Conference, Chicago, IL.
- Macnamara, B. N. (2014, October). *Predictors of performance across domains and within bilingualism.* [Invited presentation]. Psychology Department, University of Illinois-Chicago, Chicago, IL.
- ^gMacnamara, B. N. (2014, January). *Skill acquisition and expertise across domains and within bilingualism.* [Invited presentation]. Department of Psychological Sciences, Case Western Reserve University, Cleveland, OH.

^gMacnamara, B. N. (2013, October). *Skill acquisition and expertise across domains and within bilingualism.* [Invited presentation]. Psychology Department, University of Chicago, Chicago, IL.

HONORS, AWARDS, AND NOMINATIONS

Recipient, Early Career Award Psychonomic Society	2024
Nominee, John S. Diekhoff Award for Distinguished Graduate Student Mentoring Case Western Reserve University	2022
Recipient, J. Bruce Jackson, M.D., Award for Excellence in Undergraduate Mentoring Case Western Reserve University	2019
Nominee, John S. Diekhoff Award for Distinguished Graduate Student Teaching Case Western Reserve University	2018
Fellow	2017
Psychonomic Society	
Rising Star	2017
Association for Psychological Science	
Runner-up, Travel and Networking Award	2016
Women in Cognitive Science	
Recipient, Travel Fellowship to the 36 th Carnegie Symposium on Cognition Carnegie Mellon University	2009

Memberships

Society for Personality and Social Psychology	2016–2018, since 2023
SPARK Society	since 2020
Association for Psychological Science	since 2014
Midwestern Psychological Association	since 2014
Women in Cognitive Science	since 2008
Psychonomic Society	since 2008

EDITORIAL AND REVIEWER POSITIONS

Journal Editorial Positions

Consulting Editor, Journal of Expertise	2022 – present
Consulting Editor, Interpreting	2020 – present
Consulting Editor, Journal of Experimental Psychology: General	2016–2018, 2019 – present
Consulting Editor, Journal of Intelligence	2022 - 2024
Consulting Editor, Psychonomic Bulletin & Review	2020 - 2022
Associate Editor, Journal of Expertise	2018 - 2022
Consulting Editor, Journal of Experimental Psychology: LMC	2016 - 2022
Panelist (×3), National Science Foundation	2019 - 2020
Special Issue Co-Editor, <i>Journal of Expertise</i> (special issue on open science and reproducibility)	2019
Guest Academic Editor, PLOS One	2018

Journal Ad Hoc Reviewer (selective list)

Nature	Memory & Cognition
PLOS One	Learning and Motivation
Psychological Science	Behavior Research Methods
Psychological Bulletin	Perspectives on Psychological Science
Nature Human Behavior	Proceedings of the National Academy of Sciences

Book Editorial Position

Book Co-Editor*, *The science of expertise: Behavioral, neural, and genetic approaches to complex skill.* Routledge. 2016 – 2018 *Royalties refused/directly donated to Berkeley Initiative for Transparency in the Social Sciences

Funding Reviewer

Panelist (×3), National Science Foundation

2019 - 2020

Ad Hoc Funding Reviewer, Narodowe Centrum Nauki (National Science Centre [Poland])	2017
Ad Hoc Funding Reviewer, National Science Foundation (Perception, Action, and Cognition Program)	2015
Ad Hoc Funding Reviewer, National Science Foundation (Linguistics Program)	2015
Ad Hoc Funding Reviewer, Université de Toulouse: Initiative d'Excellence (Toulouse University: Excellence Initiative, France)	2015
Ad Hoc Funding Reviewer, National Center of Science and Technology Evaluation (Kazakhstan)	2014

TEACHING EXPERIENCE

* = graduate course

Case Western Reserve University

Course	Terms Taught
* Science Writing	Spring: 2021, Fall: 2023
* Statistics and Research Design	Spring: 2015–2023
* Everything You Need to Know But Are Never Taught in Grad School	Fall: 2019, 2022
Senior Capstone Course (Current Problems)	Spring: 2022
* Idea Generation & Post-PhD Career Options	Fall: 2021
* Learning Theory	Spring: 2016, 2020
Research Methods	Fall: 2014–2018 Spring: 2015, 2017–2019

<u>Princeton University</u> (preceptor or lab instructor)

Course	Te
Statistics	Fal
Health Psychology	Sp
Introduction to Psychology	Fal

<u>Terms Taught</u> Fall: 2012, Spring: 2013 Spring: 2012 Fall: 2010 Memory and Cognition

Abnormal Psychology

Spring: 2010 Fall: 2009

ADVISING AND SUPERVISING

PhD Students

Primary advisee: Purdue University		
Mariel Barnett		2024 - present
Current position:	3 rd -year PhD student Purdue University	
Primary advisee: Case Western Res	erve University	
Mariel Barnett		2022 - 2024
Current position:	3 rd -year PhD student Purdue University	
Huangqi Jiang, PhD		2017 - 2022
Current position:	Software Engineer Bloomberg	
Michael J. King, PhD		2015 - 2020
Current position:	Human Factors Engineer Quantum Improvements Consulting	
Secondary advisee: Case Western R	eserve University	
Kyle LaFollette		2020 - 2025
Current position:	5 th -year PhD student Case Western Reserve University	
Doroteja Rubez		2020 - 2025
Current position:	5 th -year PhD student Case Western Reserve University	
Charlotte Lubowe		2023 - 2025
Current position:	3 rd -year PhD student Case Western Reserve University	
Amanda Merner, PhD		2017 - 2022
Current position:	Postdoctoral Research Fellow Harvard Medical School	
Anne Kotynski-Gooding, Ph	D	2015 - 2020
Current position:	Statistician National Institutes of Health	

Master's thesis committee member: Case Western Reserve Unive	<u>rsity</u>
(Psychology: 15; Computer Science: 2; Biomedical Engin Electrical Engineering: 1)	eering: 3; 2014 – 2024
Master's thesis committee member: Purdue University	
(Psychology: 1)	2024
Dissertation committee member: Case Western Reserve Universi	ty
(Psychology: 12; Nursing: 1; Biomedical Engineering: 2;	Accounting: 1) 2014 – 2025
Dissertation committee member: Purdue University	
(Psychology: 1)	2024 – present
Graduate independent study advisor: Case Western Reserve Univ	ersity
(Psychology: 4)	2015 - 2024
<u>Postdoctoral Scholar</u>	
Primary advisee: Case Western Reserve University	
David J. Frank, PhD	2015 - 2017
Current position: Assistant Professor Youngstown State Universi	ty
Post-bac Research Assistants	
Supervisor: Purdue University	
(Total: 1, Current: 1)	2024 – present
Supervisor: Case Western Reserve University	
(Total: 5)	2014 - 2024
<u>Undergraduate Students</u>	
Research assistant advisor: Case Western Reserve University	
(2–9 per semester)	2015 - 2025
Notable undergraduate research advisees:	
Essence Leslie	2019 - 2022
Current position: Post-bac Research Assistan Vanderbilt University	t

Bao Ho		2019 - 2021
Current position:	PhD Student, I-O Psychology Bowling Green State University	
Jonathan S. Daniels		2017 - 2019
Current position:	PhD Student, Cognitive Psychology Princeton University	
Victoria F. Sisk		2015 - 2017
Current position:	PhD Student, Sociology University of Arizona	
Honors capstone advisor: Case West	tern Reserve University	
(Psychology total: 12)		2015 - 2024
Independent study advisor: Case We	estern Reserve University	
(Psychology total: 17)		2015 - 2024
Psychology major academic advisor		
(~30 students per semester)		2014 - 2024

SERVICE

Professional

24 – present
2024
2025
2022 – 2024
2019 – 2024
2017 – 2024

Department of Psychological Sciences, Case Western Reserve University	
Chair, Faculty Search Committee Department of Psychological Sciences, Case Western Reserve University	2023
Member, Faculty Development Council Office of Faculty Development, Case Western Reserve University	2022 - 2023
Faculty Advisor, Psychology Club Undergraduate Admission, Case Western Reserve University	2019 - 2022
Chair, Speaker Series Committee Department of Psychological Sciences, Case Western Reserve University	2015 - 2020
Funding Reviewer, Think Big Initiative Office of the Provost, Case Western Reserve University	2020
Faculty Advisor, Think Big Initiative for Equity and Safety Office of the Provost, Case Western Reserve University	2020
Member, W.P. Jones Junior Faculty Fellowship Selection Committee College of Arts & Sciences, Case Western Reserve University	2019 - 2020
Founder and Director, Graduate Writing Days Program Graduate College, Princeton University	2011 – 2014

PUBLIC ENGAGEMENT

Press Releases

Association for Psychological Science	Royal Society
Princeton University	Case Western Reserve University

Select On-Air Interviews

National Public Radio (NPR)

British Broadcasting Corporation (BBC)

Select Media Outlets

(where research was reported, discussed, or featured)

The New York Times

The Washington Post

The Boston Globe

Huffington Post Houston Chronicle Business Insider Parsing Science The Conversation ESPN San Francisco Chronicle Sydney Morning Herald Scientific American The Wall Street Journal Psychology Today New York Magazine Bloomberg Business Week Smithsonian Magazine The Range Report/Range Widely