

CURRICULUM VITAE

Kristen A. Baker, PhD

School of Psychology
Keynes College, University of Kent
Canterbury, United Kingdom, CT2 7NP

ACADEMIC POSITIONS HELD

2023 – 2025 Newton International Fellowship (Royal Society), University of Kent.
Supervisor: Dr. Markus Bindemann

FORMAL EDUCATION

2023 Ph.D., Psychology (Behavioural and Cognitive Neuroscience) at Brock University
Dissertation: *Unfamiliar and newly learned face identification: An examination of individual differences.*
Supervisor: Dr. Catherine J. Mondloch

2018 M.A., Psychology (Behavioural and Cognitive Neuroscience) at Brock University
Dissertation: *Recognition and discrimination: Is there a role for context in face learning?*
Supervisor: Dr. Catherine J. Mondloch

2016 B.A., Psychology (Honours with First-Class Standing) at Brock University
Honour's Thesis: *Paying attention to predictive coding.*
Supervisor: Dr. Stephen M. Emrich

FUNDING

EXTERNAL FUNDING

2023 - 2025	Royal Society's Newton International Fellowship	Total: £141,738
2022	Ontario Graduate Scholarship (Brock University)	Total: \$15,000 (CAD)
2019 - 2022	NSERC CGS-D (Brock University)	Total: \$105,000 (CAD)
2019	Ontario Graduate Scholarship (Brock University)	Turned down
2017	Ontario Graduate Scholarship (Brock University)	Total: \$15,000 (CAD))
2016	Ontario Graduate Scholarship (Brock University)	Total: \$15,000 (CAD)

INTERNAL FUNDING

2022	FOSS Research Fellowship	Total: \$4,000 (CAD)
2021	Research Fellowship	Total: \$2,300 (CAD)
2020	FOSS Graduate Student Covid Scholarship	Total: \$1,000 (CAD)
2019	Foss Student Research Award	Total: \$1,500 (CAD)
2016-2019	Research Fellowship	Total: \$5,000 (CAD)
2016-2019	FGS Research Fellowship Match	Total: \$5,000 (CAD)
2018	DGS Entrance Scholarship	Total: \$2,000 (CAD)
2016-2018	DGS Excellence Scholarship	Total: \$4,999.98 (CAD)
2016	DGS Entrance Scholarship	Total: \$2,000 (CAD)
2015	Match of Minds Award	Total: \$5,000(CAD)

ACADEMIC DISTINCTIONS AND AWARDS

2023	CPA Certificate of Academic Excellence	N/A
2021	Wendy Murphey Memorial Award	Total: \$3000 (CAD)
2016	Muriel and Arnold Bennett Student Bursary	Total: \$1000 (CAD)
2015	York University CVR Summer School Program	N/A
2015	Inquiring Minds Award (Match of Minds)	Total: \$6422.50 (CAD)
2014 - 2016	Deans' Honour List	N/A
2014	Returning Scholars Award	Total: \$1500 (CAD)

RESEARCH ACTIVITIES

Note. * indicates a student co-author

PUBLICATIONS

Peer-reviewed works

- *Stabile, V. J., **Baker, K.A.**, & Mondloch, C.J. (2024). An Economic Approach to Unfamiliar Face Matching: Effects of Base Rates, Payoffs, and Perceptual Discriminability. *Journal of Applied Research in Memory and Cognition*.
- Baker, K.A.** & Mondloch, C.J. (2023) Unfamiliar face matching ability predicts the slope of face learning. *Scientific Reports* 13, Article 5248.
- Baker, K. A.**, *Stabile, V. J., & Mondloch, C. J. (2023). Stable individual differences in unfamiliar face identification: Evidence from simultaneous and sequential matching tasks. *Cognition*, 232, Article 105333.
- Baker, K.A.** & Mondloch C.J. (2022). Picture this: Photographers no better than controls for recognizing unfamiliar faces. *Perception*, 51(8), 591-595.
- Laurence, S., **Baker, K. A.**, Proietti, V.M., & Mondloch, C.J. (2022). What happens to our representation of identity as familiar faces age? Evidence from priming and identity aftereffects. *British Journal of Psychology*, 113(3), 677-695.
- Baker, K. A.**, & Mondloch, C. J. (2019). Two sides of face learning: Improving between-identity discrimination identities while tolerating more within-person variability in appearance. *Perception*, 48(11), 1124-1145.
- Zhou, X., Matthews, C., **Baker, K. A.**, & Mondloch, C. J. (2018). Becoming familiar with a newly encountered face: Evidence of an own-race advantage. *Perception*, 47(8), 807-820.
- Baker, K. A.**, Laurence, S., & Mondloch, C. J. (2017). How does a newly encountered face become familiar? The effect of within-person variability on adults' and children's perception of identity. *Cognition*, 161, 19-30.

Under review

- Baker, K.A.** & Bindemann, M. (2024) Decision-making framing in facial image comparison. *Journal of Applied Memory and Cognition*. Submission # JARMAC-2024-0587, 1-38.
- Baker, K.A.**, Mondloch, C.J. Bindemann, M. (2024) A criterion-placement theory of face matching. *Cognition*. COGNIT-D-24-00948, 1-35.

Data Collection Complete

- Brenock, N.+**, **Baker, K.A.+** & Bindemann, M. (2024) Individual differences in choice blindness and face matching. Paper to be submitted to *Royal Society- Open Access* in October, 2024.

Baker, K.A. & Bindemann, M. (2024). Decision-making in unfamiliar face matching: Evidence of a repulsion effect. Paper to be submitted to *Quarterly Journal of Experimental Psychology* in November.

Published abstracts

Baker, K. A., *Stabile, V. J., & Mondloch, C. J. (2023). Erring on the side of caution: The influence of base rates, payoffs, and discriminability on face identification performance. *Journal of Vision*, 23(9), 5438-5438.

Baker, K.A., *Stabile, V.J. & Mondloch, C.J. (2022) Individual differences in face identification performance: Can matching predict face learning efficiency? *Perception*, 51, 67-68.

Mondloch, C.J., *Stabile, V.J., & **Baker, K.A.** (2022) Optimizing face identification performance: The influence of base rates and payoffs? *Perception*, 51, 18.

Baker, K. A., *Stabile, V. J., & Mondloch, C. J. (2022). The reliability, stability and consistency of individual differences across multiple face identification tasks. *Journal of Vision*, 22(14), 3781-3781.

Baker, K. A., & Mondloch, C. J. (2019). The dynamics of face learning: Insights from similarity ratings. *Journal of Vision*, 19(10), 138-138.

Baker, K.A., Laurence, S. & Mondloch, C.J. (2018). Building a representation of newly encountered faces: A role for context? *Journal of Vision*, 18(10), 557-557.

Baker, K.A., Laurence, S. & Mondloch, C.J. (2016). How does a newly encountered face become familiar? *Journal of Vision*, 16(12), 913.

CONFERENCES

Oral presentations

Baker, K.A., & Bindemann, M. (2024). Yes, No, Maybe-so: An investigation of response option framing on face identification decisions. Talk presented for the European Conference on Visual Perception, Aberdeen, Scotland.

Baker, K.A., & Bindemann, M. (2024). Distinct criterion placement for intermixed face matching tasks. Talk presented for the Experimental Psychology Society's Workshop, Stirling, Scotland.

Baker, K.A., *Brenock, N., & Bindemann, M. (2024). Unfamiliar Face Identification: Individual differences in ability and decision making. Talk presented for the Experimental Psychology Society Meeting, York, UK.

Baker, K.A., *Brenock, N., *Stabile, V.J., Mondloch, C.J., & Bindemann, M. (2024). Unfamiliar Face Identification: Individual differences in ability and decision making. Talk presented for the Annual Icelandic Vision Meeting, Reykjavík, Iceland.

Baker, K.A. & Mondloch, C.J. (2023). I will remember you: Face matching ability predicts the slope of face learning. Talk presented for the Experimental Psychology Society's Meeting, Plymouth, UK.

Baker, K.A., *Stabile, V.J. & Mondloch, C.J. (2022) Individual differences in face identification performance: Can matching predict face learning efficiency? Talk presented for the European Conference on Visual Perception, Nijmegen, Netherlands.

Mondloch, C.J., *Stabile, V.J., & **Baker, K.A.** (2022) Optimizing face identification performance: The influence of base rates and payoffs? Talk presented for the European Conference on Visual Perception, Nijmegen, Netherlands.

Poster presentations

Baker, K.A., *Stabile, V.J. & Mondloch, C.J. (2023). Erring on the side of caution: The influence of base rates, payoffs, and discriminability on face identification performance. Poster presented at Vision Sciences Society, St. Pete Beach, United States.

Baker, K.A. & Mondloch, C.J. (2023). Individual differences in unfamiliar face matching and the slope of face learning. Poster presented for Lake Ontario Visionary Establishment, Niagara Falls, Canada.

Baker, K.A., *Stabile, V.J. & Mondloch, C.J. (2022). The reliability, stability and consistency of individual differences across multiple face identification tasks. Poster presented at Vision Sciences Society, St. Pete Beach, United States.

Baker, K.A. & Mondloch, C.J. (2019). The dynamics of face learning: Insights from similarity ratings. Poster presented at Vision Sciences Society, St. Pete Beach, United States.

Baker, K.A. & Mondloch, C.J. (2018). Building a representation of newly encountered faces: A role for context? Poster presented at Vision Sciences Society, St. Pete Beach, United States.

Baker, K. A., Zhou, X., Matthews, C.M., Wloch, O. & Mondloch, C.J. (2017). How does a newly encountered face become familiar: The role of experience with own- vs. other-race faces. Poster presented at 29th Association for Psychological Science's Annual Convention, Boston, MA, United States.

Matthews, C.M., **Baker, K.A.**, Laurence, S. & Mondloch, C.J. (2017), Learning a new face: The influence of variability in appearance on children's perception of identity. Poster abstract submitted to Society for Research and Child Development Biennial Meeting. Austin, TX, USA.

Baker, K.A., Laurence, S. & Mondloch, C.J. (2016). How does a newly encountered face become familiar? Vision Sciences Society, St. Pete Beach, United States.

TEACHING ACTIVITIES

LECTURES TAUGHT

- 2023 Applying Psychology (PSYC 6330), University of Kent
- 2023 Current Issues in Cognitive Psychology and Neuropsychology (PSYC 8640), University of Kent

TEACHING ASSISTANTSHIPS

Weekly Seminar Leader/ Lab Demonstrator

- 2021 Lifespan Development (PSYC 2P12), Brock University
- 2019 - 2021 History of Psychology (PSYC 4P92), Brock University
- 2019 Personality and Individual Differences (PSYC 2P25), Brock University
- 2018, 2020 Perception (PSYC 2P49), Brock University
- 2018 Human Learning (PSYC 2P45), Brock University
- 2017, 2019-2020 Cognition (PSYC 2P20), Brock University

2017	Computer Data Analysis (PSYC 3P39), Brock University
2016	Fundamentals of Social Psychology (PSYC 2P30), Brock University

STUDENT RESEARCH-SUPERVISION

GRADUATE STUDENTS

MSc Students

2023-2024	N.B.	University of Kent, Cognitive Psychology/ Neuropsychology
2023-2024	S.J.	University of Kent, Cognitive Psychology/ Neuropsychology

UNDERGRADUATE STUDENTS

Final Year Project/Undergraduate Thesis Students

2023-2024	A.K.	University of Kent
2023-2024	E.W.	University of Kent
2023-2024	I.G.	University of Kent
2023-2024	S.R.	University of Kent
2021-2022	V.S.	Brock University
2018-2019	M.O.	Brock University
2017	K.P.	Brock University

Undergraduate Project Students

2023-2024	L.O.	University of Kent
2021	V.S.	Brock University
2020	H.M.	Brock University
2019	E.T.	Brock University

OTHER SCHOLARLY ACTIVITIES

PRESENTATIONS

Invited talks

- Baker, K.A.,** *Brenock, N., *Stabile, V.J., Mondloch, C.J., & Bindemann, M. (2024) How do we recognise faces? Invited talk for the Royal Society Lates event. London, UK.
- Baker, K.A.,** *Stabile, V.J., Mondloch, C.J., & Bindemann, M. (2023). Decision making in an Unfamiliar Face Matching Task. Invited talk for the Forensic Cognition Research group at Open University, UK.
- Baker, K.A.,** *Stabile, V.J., Mondloch, C.J., & Bindemann, M. (2023). Considering Decisions in Unfamiliar Face Matching. Invited talk for the Forensic Research Group at the University of Bedfordshire. Luton, UK.
- Baker, K.A.,** *Stabile, V.J., Mondloch, C.J., & Bindemann, M. (2023). The challenge of face identification: A role for decision making. Invited talk for the University of Reading's External Seminar Series in the School of Psychology and Clinical Language Sciences. Reading, UK.

Other talks

- Baker, K.A.,** *Stabile, V.J., Mondloch, C.J., & Bindemann, M. (2023). Decisions, Decisions: The Challenge of Unfamiliar Face Matching. Talk for The University of Kent (School of Psychology). Canterbury, UK.

- Baker, K.A. & Mondloch, C.J. (2018).** Is there a role for context in face learning? A within-person variability perspective. Brock Revolutionary Exploratory Workshops on Topics Related to Psychological Science: DATA BLITZ. St. Catharines, Canada.
- Baker, K.A., Zhou, X., Matthews, C.M. & Mondloch, C.J. (2017).** How does a newly encountered face become familiar: The role of within person variability in learning own-and other-race faces. Brock Revolutionary Exploratory Workshops on Topics Related to Psychological Science: DATA BLITZ. St. Catharines, Canada.
- Baker, K.A. & Mondloch, C.J. (2016).** How does a newly encountered face become familiar: The role of within person variability in children's and adults' face learning. Brock Revolutionary Exploratory Workshops on Topics Related to Psychological Science: DATA BLITZ. St. Catharines, Canada.
- Baker, K.A. & Mondloch, C.J. (2016).** The efficiency of adult face learning. Workshop with the Science and Engineering Directorate from Canada Border Services Agency., St. Catharines, Canada

WORKSHOPS ORGANISED/TAUGHT

- 2024 Dual-Process Signal Detection: Theory and Practice.
Led a 3-hour international workshop (online format) which included an introduction to Dual-Process Signal Detection, and a practical session on the basics of Matlab and the ROC toolbox.

MEMBERSHIP

- 2024 - Experimental Psychology Society (Ordinary Member)
2024 - European Conference on Visual Perception (Postdoctoral Member)
2023 - Experimental Psychology Society (Pre-Doctoral Member)
2022 - Experimental Psychology Society (Pre-Doctoral Member)
2017 - Association for Psychological Science (Pre-Doctoral Member)
2016, 2018-2023 - Vision Sciences Society (Pre-Doctoral Member)

PROFESSIONAL DEVELOPMENT

ATTENDED WORKSHOPS

- 2024 Writing your first grant proposal
2023-2024 Unity and VR workshop
2018 EEG frequency-tagging in visual neuroscience: Conceptual and technical advances
2018 Statement of teaching philosophy
2018 Teaching dossier
2018 Ice-breakers and energizers: Strategies to enhance motivation in the classroom
2018 Mindfully making our way in the classroom
2018 Sakai for beginners workshop
2017 Qualtrics workshop
2017 Software carpentry workshop
2016 EEG Analysis workshop

SERVICE ACTIVITIES

UNIVERSITY SERVICE

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| 2018-2019 | Graduate student representative for Brock University's Psychology Department Meetings. |
| 2018-2019 | Graduate student representative for Brock University's Graduate Committee meetings. |
| 2017-2021 | Brock University's Psychology Graduate Student Social Committee - organization team member. |
| 2014-2022 | Peer Panelist for Brock University's Strategies Conference - Gave guidance to first year students with disabilities, including successfully transitioning to university and strategies for success. |