

CURRICULUM VITAE

Kristen A. Baker, PhD

School of Psychology
Keynes College, A2.06
University of Kent

Personal Website: [click here](#)
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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 (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 Murphy 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

RESEARCH ACTIVITIES

Note. * indicates a student co-author

REFEREED JOURNAL ARTICLES

- *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*. Advance online publication.
- 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.

MANUSCRIPTS IN SUBMISSION

- Baker, K.A.**, Mondloch, C.J. Bindemann, M. (2024) A criterion-placement theory of face matching. *Cognition*. Submission #COGNIT-D-24-00948, 1-35. (Revise & resubmit)

Baker, K.A. & Bindemann, M. (2024) Decision-making framing in facial image comparison. Paper submitted to *Journal of Applied Memory and Cognition*. Submission # JARMAC-2024-0587, 1-38. (Revise & resubmit)

MANUSCRIPTS IN PREPARATION (data collection complete)

- 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 December.
- *Brenock, N., **Baker, K.A.** & Bindemann, M. (2024) Individual differences in choice blindness and face matching. Paper to be submitted to *Cognition* in December.
- Mondloch, C.J., **Baker, K.A.**, Laurence, S. & Ritchie, K. (2025). Noise in the signal: A systematic investigation of the influence of sources of variability on face learning. Paper to be submitted to *Journal of Experimental Psychology: General* in 01/2025.
- Baker, K.A.** & Mondloch, C. J. (2025). Cognitive aging and the slope of face learning: An investigation of individual differences in older and younger adults. Paper to be submitted to *Psychology of Aging* in 02/2025.

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.

CONFERENCE 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, March).** Unfamiliar face identification: Individual differences in ability and decision making. Talk presented for the Annual Icelandic Vision Meeting, Reykjavík, Iceland.
- 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, USA.
- 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. & 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.
- 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, USA.
- 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, USA.
- 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, USA.
- 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, USA.
- 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 presented at 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? Poster presented at Vision Sciences Society, St. Pete Beach, USA.

TEACHING ACTIVITIES

LECTURES TAUGHT

2023, 2024	Current Issues in Cognitive Psychology & Neuropsychology (PSYC8640) University of Kent
2023	Applying Psychology (PSYC6330) University of Kent

TEACHING ASSISTANTSHIPS (weekly seminar leader / lab demonstrator)

2021	Lifespan Development / PSYC2P12, Brock University
2019 - 2021	History of Psychology / PSYC4P92, Brock University
2019	Personality and Individual Differences / PSYC2P25, Brock University
2018, 2020	Perception / PSYC2P49, Brock University
2018	Human Learning / PSYC2P45, Brock University
2017, 2019-2020	Cognition / PSYC2P20, Brock University
2017	Computer Data Analysis / PSYC3P39, Brock University
2016	Fundamentals of Social Psychology / PSYC2P30, 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

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
2017-2018	K.P.	Brock University

Undergraduate Independent 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

INVITED TALKS

- Baker, K.A., & Bindemann, M. (2024)** Face matching and decision making? Invited talk for Universität Lausanne, Switzerland.
- 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.

MEMBERSHIP

2024	Experimental Psychology Society (ordinary member)
2024	European Conference on Visual Perception (postdoctoral member)
2022-2023	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	Programming in Unity for VR experiments.
2018	EEG frequency-tagging in visual neuroscience: Conceptual & 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

2018-2019	Graduate student representative Psychology Department Meetings, Brock University.
2018-2019	Graduate student representative Psychology Graduate Committee Meetings, Brock University.
2017-2021	Organization team member Psychology Graduate Student Social Committee, Brock University.
2014-2022	Peer Panelist Strategies Conference (for students with disabilities), Brock University.