

# Brad Duchaine

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## Focus of Research

Use of neuropsychology, psychophysics, and neuroimaging to explore the cognitive, neural, developmental, and genetic basis of social perception and visual recognition more generally.

## Employment

2016- Full Professor, Psychological and Brain Sciences, Dartmouth College  
2019-2022 Chair, Psychological and Brain Sciences, Dartmouth College  
2010-2016 Associate Professor, Psychological and Brain Sciences, Dartmouth College  
2009-2010 Senior Lecturer, Institute of Cognitive Neuroscience, University College London  
2005-2009 Lecturer, Institute of Cognitive Neuroscience, University College London  
2001-2005 Postdoctoral Fellow, Vision Sciences Laboratory, Department of Psychology, Harvard University (advisor: Ken Nakayama)

## Education

2001 Ph.D., Department of Psychology, University of California-Santa Barbara (advisor: Leda Cosmides)  
1994 B.A., Psychology Department, Marquette University (Summa cum laude)

## Grants

2023-2024 Hitchcock Foundation  
Title: Prosopometamorphopsia: investigation of the Neurocognitive Basis of Face Perception Distortions and Interventions that Reduce Distortions.  
PI: Duchaine; Co-Is: Bujarski, Stehr  
2023-2024 Neukom Institute  
Title: DNN modeling of category-selective areas in developmental prosopagnosia.  
PI: Duchaine; Co-PIs: Murty, Stehr  
2022-2025 National Eye Institute  
Title: Developmental prosopagnosia subtypes: validation, neural mechanisms, and differential approaches to treatment.  
PI: DeGutis; Co-I: Duchaine  
2020-2024 National Science Foundation  
Title: Collaborative Research: Eye movements and retinotopic face encoding in children, adults, and developmental prosopagnosia.  
PI: Duchaine; Collaborating PI: Peterson  
2020-2024 National Eye Institute  
Title: Beyond Faces: Widening the lens on developmental prosopagnosia.  
PI: Duchaine, Co-I: Robertson  
2017-2019 Royal Society of New Zealand  
Title: Fractionating face blindness: Creating a taxonomy for developmental prosopagnosia.  
PI: Susilo; Associate Investigator: Duchaine  
2016-2019 National Science Foundation  
Title: Testing and building models of face perception via acquired prosopagnosia.  
PI: Duchaine, Co-Applicant: Jason Barton  
2014-2016 Australian Research Council

- 2013-2016 Title: Why does face identification ability improve during childhood?  
PI: Palermo, Co-Applicants: Jeffrey, Duchaine  
Economic and Social Research Council
- 2012-2013 Title: Component processes of human face perception in typical and atypical individuals.  
PI: Eimer; Co-Applicant: Duchaine  
Hitchcock Foundation
- 2012-2013 Title: Face perception in acquired prosopagnosia.  
PI: Duchaine  
Rockefeller Center Faculty Grants
- 2010-2013 Title: Face perception in developmental prosopagnosia.  
PI: Duchaine  
Economic and Social Research Council
- 2010-2013 Title: Developmental prosopagnosia in children: Phenotypic assessment and training.  
PI: Duchaine; Co-Applicant: Blakemore  
Economic and Social Research Council
- 2010-2013 Title: The architecture of human face processing in typical and atypical populations: Combining behavioural and electrophysiological measures.  
PI: Eimer; Co-Applicants: Duchaine, Driver  
Biotechnology and Biological Sciences Research Council
- 2008-2011 Title: Investigation of the role and cortico-cortical interactions of the right occipital face area.  
PI: Duchaine; Co-Applicant: Walsh  
British Council – Researcher Exchange Programme
- 2008-2009 Title: What makes faces special? Evidence from behavioural, neurophysiological and neuropsychological studies.  
PI: Yovel; Co-Applicant: Duchaine  
Economic and Social Research Council
- 2006-2009 Title: Fractionating face processing via prosopagnosia.  
PI: Duchaine  
NIH NRSA Postdoctoral Fellowship
- 2001-2004 Title: Activating holistic face processing: Origins and inputs.

### **Honors, Awards, and Special Presentations**

- 2024 Keynote address: V International Congress of Psychobiology (Madrid, Spain)
- 2023 Senior Faculty Leave, Dartmouth College
- 2018 Bentin Lecture in Cognitive Neuroscience: Hebrew University
- 2016-17 Douglas C. Floren Fellowship
- 2016 John M. Manly Huntington Award for Newly Promoted Faculty
- 2013-14 C. Troy Shaver '69 Fellow
- 2013 Plenary address: Human Behavior and Evolution Society (Miami, FL)
- 2011 Keynote address: FG 2011 – The 9<sup>th</sup> IEEE Conference on Automatic Face and Gesture Recognition (Santa Barbara, CA)
- 2009 Elizabeth Warrington Prize (British Neuropsychological Society)
- 2008 British Neuropsychological Society nominee for Cortex Prize
- 2008 Keynote address: Clinical and Research Perspectives in Developmental Neuropsychology, The Children's Hospital at Westmead (Australia)
- 2002 & 2003 Harvard University Certificate of Distinction in Teaching
- 2000 Academic Senate Outstanding Teaching Assistant Award
- 1994-1998 Regents' Special Fellowship

### Departmental and University Service

2023-2024	Member, Committee for the Protection of Human Subjects
2023-2024	PBS, Undergraduate Committee
2022-2023	Chair, PBS Community Norms & Well-Being Committee
2019-2022	Chair, Psychological and Brain Sciences
2020-2022	Chair, PBS Inclusiveness, Diversity, and Climate Committee
2018-2020	Committee on Standards / Organization Adjudication Committee
2018-2022	PBS Technology and Resources Committee
2018-2019	PBS Social Neuroscience Faculty Search Committee
2016-2017	PBS Cognitive and Computational Neuroscience Search Chair
2014-2017	Committee on Admissions and Financial Aid
2013-2016	PBS Graduate Program Chair
2013-2016	Council on Graduate Studies
2014-2015	PBS Social Neuroscience Faculty Search Committee
2013-2014	PBS Social Neuroscience Faculty Search Committee
2012-2013	PBS Graduate Committee
2011-2012	PBS Colloquium Coordinator
2011-2012	PBS Behavioral Neuroscience Faculty Search Committee
2007-2010	UCL Psychology Study Abroad Tutor
2007	Institute of Child Health, Interview Panel for Lecturer in BBS Unit
2006 & 2007	UCL Psychology Social Psychology Faculty Search Committee
2006-2010	University of London Library Committee Chair

### Supervision

Postdoctoral fellows: UCL: David Pitcher, Michael Banissy. Dartmouth: Kirsten Dalrymple, Tirta Susilo, Daniel Stehr, Siobhan McCourt

PhD candidates: UCL: Lucia Garrido, David Pitcher, Constantin Rezlescu.

Dartmouth: Hua Yang, Jiahui Guo, Sarah Herald, Marie-Luise Kieseler, Alexis Kidder, Antonio Mello, Sarah Kerns

PhD committee member: UCL: Margarita Sarri, Ray Lee. Dartmouth: Zhengang Lu, Sebastian Frank, Matteo Visconti de Oleggio Castello, Shiva Ghaani-Farashahi, Y.B. Choi

External PhD examiner: Sarah Bate (Exeter), Laura Schmalzl (Macquarie), Darren Hedley (Flinders), Mario Baldassari (University of Victoria)

MSc degrees: Maartje Ament, Heidi Murray, Constantin Rezlescu, Nicole Whitty, Angela Cooke

Third year theses (UCL): Hannah McCartney, Zara-Angela Abbas, Beatrice Berglund, Edwina Akerele, Genan Abdulmir, Matthew Hamilton-Foyn, & Alexandra Bogaardt.

Senior theses: Harvard: Kerry Dingle (2005). Dartmouth: Jesse Gomez (2012), Natasha Zbib (2014), Rebecca Finzi (2014), Esther Wu (2016), Irene Feng (2017), Alison Dickstein (2022), Sara Rodriguez (2022), Bohan Meng (2022), Sydney Fortner (2024), Elizabeth Li (2025).

### Journal Articles

Mello, A., Stehr, D., Bujarski, K., & Duchaine, B. (2024). Visualising facial distortions in prosopometamorphopsia. *The Lancet*, 403(10432): 1176.

Duchaine, B., Rezlescu, C., Garrido, L., Zhang, Y., Braga, M.V., & Susilo, T. (2023). The development of upright face perception depends on evolved orientation-specific mechanisms and experience. *iScience*: 26, 107763.

Herald, S.B., Yang, H., & Duchaine, B. (2023). Contralateral biases in category-selective areas are stronger in the left hemisphere than the right hemisphere. *Journal of Cognitive Neuroscience*, 35(7): 1154-1168.

Bell, L., Duchaine, B., & Susilo, T. (2023). Dissociations between face identity and face expression processing in developmental prosopagnosia. *Cognition*, 238: 105469.

- Kieseler, M-L. & Duchaine, B. (2023). Persistent prosopagnosia following COVID-19. *Cortex*, 162: 56-64.
- Barton, J. J., Stubbs, J. L., Paquette, S., Duchaine, B., Schlaug, G., & Corrow, S. L. (2023). Music perception in acquired prosopagnosia. *Neuropsychologia*, 108540.
- Herald, S.B., Almeida, J. & Duchaine, B. (2023). Face distortions in prosopometamorphopsia provide new insights into the organization of face perception. *Neuropsychologia*, 108517.
- Parker, B.J., Voorhies, W., Jiahui, G., Miller, J., Willbrand, E., Hallock, T., Furl, N., Garrido, L., Duchaine, B., & Weiner, K. (2023). Hominoid-specific sulcal variability is related to face perception ability. *Brain Structure and Function*, 228(2): 677-685.
- Arrington, M., Elbich, D., Dai, J., Duchaine, B., & Scherf, K.S. (2022) Introducing the Female Cambridge Face Memory Test – Long Form (F-CFMT+). *Behavior Research Methods*, 54(6): 3071-3084.
- Stantic, M., Brewer, R., Duchaine, B., Banissy, M.J., Bate, S., Susilo, T., Catmur, C., and Bird, G. (2022). The Oxford Face Matching Test: A Non-Biased Test of The Full Range of Individual Differences in Face Perception. *Behavior Research Methods*, 54(1): 158-173.
- Abudarham, N., Bate, S., Duchaine, B., & Yovel, G. (2021). Developmental prosopagnosics and super recognizers rely on the same facial features used by individuals with normal face recognition abilities for face identification. *Neuropsychologia*, 160: 107963.
- Dalrymple, K., Khan, A., Duchaine, B., & Elison, J. (2021). Visual input to the left versus right eye yields differences in face preferences in 3-month-old infants. *Developmental Science*, 24(2): e13029.
- Jiahui, G., Yang, H., & Duchaine, B. (2020). Attentional modulation differentially affects ventral and dorsal face areas in both normal participants and developmental prosopagnosics. *Cognitive Neuropsychology*, 37: 482-493.
- Almeida, J., Freixo, A., Tabuas-Periera, M., Herald, S.B., Valerio, D., Schu, G., Duro, D., Cunha, G., Bukhari, Q., Duchaine, B., & Santana, I. (2020). Face-Specific Perceptual Distortions Reveal A View- and Orientation-Independent Face Template. *Current Biology*, 30, 1-7.
- Peterson, M.F., Zaun, I., Hoke, H., Jiahui, G., Duchaine, B., & Kanwisher, N. (2019). Eye movements & retinotopic tuning in developmental prosopagnosia. *Journal of Vision*, 19(9): 7.
- Barton, J.J.S., Albonico, A., Susilo, T., Duchaine, B. & Corrow, S.L. (2019). Object recognition in acquired and developmental prosopagnosia. *Cognitive Neuropsychology*, 36: 54-84.
- Corrow, S.L., Stubbs, J.L., Schlaug, G., Buss, S., Paquette, S., Duchaine, B., & Barton, J.J.S. (2019). Perception of Musical Pitch in Developmental Prosopagnosia. *Neuropsychologia*, 124: 87-97.
- Tardif, J., Duchesne, X.M., Cohan, S., Royer, J., Blais, C., Fiset, D., Duchaine, B., & Gosselin, F. (2019). Use of face information varies systematically from developmental prosopagnosics to super-recognizers. *Psychological Science*, 30: 300-308.
- Penton, T., Bate, S., Dalrymple, K.A., Reed, T., Kelly, M., Godovich, S., Tamm, M., Duchaine, B., & Banissy, M.J. (2018). Using High Frequency Transcranial Random Noise Stimulation to Modulate Face Memory Performance in Younger and Older Adults: Lessons Learnt From Mixed Findings. *Frontiers in Neuroscience*, 12: 863.
- Royer, J., Blais, C., Charbonneau, I., Dery, K., Tardif, J., Duchaine, B., Gosselin, F., & Fiset, D. (2018). Greater reliance on the eye region predicts better face recognition ability. *Cognition*, 181: 12-20.
- Jiahui, G., Yang, H., & Duchaine, B. (2018). Developmental prosopagnosics have widespread selectivity reductions across category-selective cortex. *Proceedings of the National Academy of Sciences*, 115: E6418-E6427.
- Loth, E., Garrido, L., Ahmad, J., Watson, E., Duff, A.C., & Duchaine, B. (2018). Facial expression recognition as a candidate marker for autism spectrum disorder: How frequent and severe are deficits? *Molecular Autism*, 9: 7
- Garrido, L., Duchaine, B., & DeGutis, J. (2018). Association vs dissociation and setting appropriate criteria for object agnosia. *Cognitive Neuropsychology*, 35: 55-58.

- Biotti, F., Wu, E., Jiahui, G., Duchaine, B., & Cook, R. (2017). Normal composite effects in developmental prosopagnosia. *Cortex*, *95*: 63-76.
- Jiahui, G., Garrido, L., Liu, R.R., Susilo, T., Barton, J., & Duchaine, B. (2017). Normal voice processing after posterior superior temporal sulcus lesion. *Neuropsychologia*, *105*: 215-222.
- Dalrymple, K.A., Elison, J.T., & Duchaine, B. (2017). Face-selective and domain-general visual processing deficits in children with developmental prosopagnosia. *Quarterly Journal of Experimental Psychology*, *70*: 259-275.
- Finzi, R. D., Susilo, T., Barton, J. J. S., & Duchaine, B. (2016). The role of holistic face processing in acquired prosopagnosia: Evidence from the composite face effect. *Visual Cognition*, *24*: 304-320.
- Dalrymple, K.A. & Duchaine, B. (2016). Impaired face detection may explain some but not all cases of developmental prosopagnosia. *Developmental Science*, *19*: 440-451.
- Freiwald, W., Yovel, G., & Duchaine, B. (2016). Face processing systems: From neurons to real world social perception. *Annual Review of Neuroscience*, *39*: 325-346.
- Pancaroglu, R., Hills, C., Sekunoval, A., Viswanathan, J., Duchaine, B., & Barton, J.J. (2016). Seeing the eyes in acquired prosopagnosia. *Cortex*, *81*: 251-265.
- Towler, J., Gosling, A., Duchaine, B., & Eimer, M. (2016). Normal perception of Mooney faces in developmental prosopagnosia: Evidence from the N170 component and rapid neural adaptation. *Journal of Neuropsychology*, *10*: 15-32.
- Lohse, M., Garrido, L., Driver, J., Dolan, R., Duchaine, B., & Furl, N. Effective Connectivity from Early Visual Cortex to Posterior Occipito-temporal Face Areas Predicts Developmental Prosopagnosia. (2016). *Journal of Neuroscience*, *36*: 3821-3828.
- Corrow, J.C., Corrow, S.L., Lee, E., Pancaroglu, R., Burles, F., Duchaine, B., Iaria, G., & Barton, J.J. (2016). Getting lost: Topographic skills in acquired and developmental prosopagnosia. *Cortex*, *76*: 89-103.
- Moroz, D., Corrow, S., Corrow, J., Barton, A., Duchaine, B., & Barton, J. (2016). Localization and patterns of cerebral dyschomatopsia: A study of subjects with prosopagnosia. *Neuropsychologia*, *89*: 153-160.
- Rubino, C., Corrow, S., Corrow, J., Duchaine, B., & Barton, J. (2016). Word and text processing in developmental prosopagnosia. *Cognitive Neuropsychology*, *33*: 315-328.
- Liu, R.R., Pancaroglu, R., Hills, C.S., Duchaine, B., & Barton, J.J. (2016). Voice recognition in face-blind patients. *Cerebral Cortex*, *26*: 1473-87.
- Yang, H., Susilo, T., & Duchaine, B. (2016). The anterior temporal face area contains invariant representations of identity that can persist despite the loss of right FFA and OFA. *Cerebral Cortex*, *26*: 1096-107.
- Song, S., Garrido, L., Nagy, Z., Mohammadi, S., Steel, A., Driver, J., Dolan, R., Duchaine, B., & Furl, N. (2015). Local but not long-range microstructural differences of the ventral temporal cortex in developmental prosopagnosia. *Neuropsychologia*, *78*: 195-206.
- Susilo, T., Wright, V., Tree, J., & Duchaine, B. (2015). Acquired prosopagnosia without word recognition deficit. *Cognitive Neuropsychology*, *32*: 321-339.
- Liu, R.R., Corrow, S., Pancaroglu, R., Duchaine, B. & Barton, J.J.S. (2015). The processing of voice identity in developmental prosopagnosia. *Cortex*, *71*: 390-397.
- Hills, C., Pancaroglu, R., Duchaine, B., & Barton, J.J.S. (2015). Word and text processing in acquired prosopagnosia. *Annals of Neurology*, *78*: 258-281
- Duchaine, B. & Yovel, G. (2015). The role of face-selective areas in face perception: An updated neural framework. *Annual Review of Vision Science*, *1*: 393-416.
- Romanska, A., Rezlescu, C., Susilo, T., Duchaine, B., & Banissy, M.J. (2015). High frequency transcranial random noise stimulation enhances perception of facial identity. *Cerebral Cortex*, *25*: 4334-4340.

- Susilo, T., Yang, H., Potter, Z., Robbins, R., & Duchaine, B. (2015). Normal body perception despite the loss of right fusiform gyrus. *Journal of Cognitive Neuroscience, 14*: 1-14.
- Pitcher, D., Duchaine, B., & Walsh, V. (2014). Combined TMS and fMRI reveals dissociable cortical pathways for dynamic and static face perception. *Current Biology, 24*: 2066-2070.
- Dalrymple, K.A., Garrido, L., & Duchaine, B. (2014). Dissociation between face perception and face memory in adults, but not children, with developmental prosopagnosia. *Developmental Cognitive Neuroscience, 10*: 10-20.
- Croydon, A., Pimperton, H., Ewing, L., & Duchaine, B., & Pellicano, E. (2014). The Cambridge Face Memory Test for Children (CFMT-C): A new tool for measuring face recognition skills in children. *Neuropsychologia, 62*: 60-67.
- Dalrymple, K.A.\*, Fletcher, K.\*, Corrow, S., das Nair, R., Barton, J., Yonas, A., & Duchaine, B. (2014). "A room full of strangers every day": The psychosocial impact of developmental prosopagnosia on children and their families. *Journal of Psychosomatic Research, 77*: 144-150. (\* = joint first authors)
- Dalrymple, K.A.\*, Davies-Thompson, J.\*, Oruc, I., Handy, T., Barton, J., & Duchaine, B. (2014). Spontaneous perceptual facial distortions correlate with ventral occipitotemporal activity. *Neuropsychologia, 59*, 179-191. (\* = joint first authors)
- Rezlescu, C., Pitcher, D., Barton, J.J.S., & Duchaine, B. (2014). Normal acquisition of expertise with a novel object class in two cases of acquired prosopagnosia. *Proceedings of the National Academy of Sciences, 111*: 5123-5128.
- Bate, S., Cook, S.J., Duchaine, B., Tree, J.J., Burns, E.J., & Hodgson, T.L. (2014). Intranasal inhalation of oxytocin improves face processing in developmental prosopagnosia. *Cortex, 50*, 55-63.
- Rezlescu, C.\*, Susilo, T.\*, Barton, J.J.S., & Duchaine, B. (2014). Normal social evaluations of faces in acquired prosopagnosia. *Cortex, 50*, 200-203. (\* = joint first authors)
- Yovel, G., Wilmer, J., & Duchaine, B. (2014). What can individual differences reveal about face processing? *Frontiers in Human Neuroscience, 8*: 562.
- Susilo, T., Rezlescu, C., & Duchaine, B. (2013). The composite effect for inverted faces is reliable at large sample sizes and requires the basic face configuration. *Journal of Vision, 13(13)*, 14.
- Susilo, T. & Duchaine, B. (2013). Dissociations between faces and words: comment on Behrmann & Plaut. *Trends in Cognitive Sciences, 17*: 545.
- Dalrymple, K.A., Gomez, J., & Duchaine, B. (2013). The Dartmouth Database of Children's Faces: Acquisition and validation of a new face stimulus set. *PLoS ONE, 8(11)*, e79131.
- Fox, C.J., Iaria, G., Duchaine, B.C., & Barton, J.J.S. (2013). Residual fMRI sensitivity for identity changes in acquired prosopagnosia. *Frontiers in Psychology, 4*: 756.
- Susilo, T., Germine, L., & Duchaine, B. (2013). Face recognition ability matures late: Evidence from individual differences in young adults. *Journal of Experimental Psychology: Human Perception & Performance, 39*: 1212-1217.
- Susilo, T., Yovel, G., Barton, J. J. S., & Duchaine, B. (2013). Face perception is category-specific: Evidence from normal body perception in acquired prosopagnosia. *Cognition, 129*, 88-94.
- Susilo, T. & Duchaine, B. (2013). Advances in developmental prosopagnosia research. *Current Opinion in Neurobiology, 23*: 423-429.
- Palermo, R. & Duchaine, B. (2012). Introduction to this special issue on developmental prosopagnosia. *Cognitive Neuropsychology, 29*: 349-353.
- Dalrymple, K.A., Corrow, S., Yonas, A., & Duchaine, B. (2012). Developmental prosopagnosia in childhood. *Cognitive Neuropsychology, 29*: 393-418.
- Rezlescu, C., Pitcher, D., & Duchaine, B. (2012). Acquired prosopagnosia with spared within-class object recognition but impaired recognition of basic-level objects. *Cognitive Neuropsychology, 29*: 325-347.
- Kanai, R., Bahrami, B., Duchaine, B., Janik, A., Banissy, M.J. & Rees, G. (2012). Brain structure links loneliness to social perception. *Current Biology, 22*: 1975-1979.
- Towler, J., Gosling, A., Duchaine, B., & Eimer, M. (2012). The face-sensitive N170 component in

- developmental prosopagnosia. *Neuropsychologia*, 50: 3588-3599.
- Pitcher, D., Goldhaber, T., Duchaine, B., Walsh, V., and Kanwisher, N. (2012). Two critical and functionally distinct stages of face and body perception. *Journal of Neuroscience*, 32: 15877-15885.
- Germine, L., Nakayama, K., Duchaine, B., Chabris, C., Chatterjee, G., and Wilmer, J. (2012). Is the web as good as the lab? Comparable performance from web and lab in cognitive/perceptual experiments. *Psychonomic Bulletin & Review*, 19: 847-857.
- Dennett, H., McKone, E., Edwards, M., & Duchaine, B. (2012). The Cambridge Car Memory Test: A task matched in format to the Cambridge Face Memory Test, with norms, reliability, sex differences, dissociations from face memory, and expertise effects. *Behavior Research Methods*, 44: 587-605.
- Rezlescu, C., Duchaine, B., Olivola, C.Y., & Chater, N. (2012). Unfakeable Facial Configurations Affect Strategic Choices in Trust Games With or Without Information About Past Behavior. *PLoS ONE*, 7(3): e34293.
- Eimer, M., Gosling, A., & Duchaine, B. (2012). Covert recognition in developmental prosopagnosia. *Brain*, 135: 542-554.
- Fox, C.J., Hanif, H.M., Iaria, G., Duchaine, B., & Barton, J.J.S. (2011). Perceptual and anatomic patterns of selective deficits in facial identity and expression processing. *Neuropsychologia*, 49: 3188-3200.
- Pitcher, D., Duchaine, B., Walsh, V., Yovel, G., & Kanwisher, N. (2011). The role of the lateral occipital face and object areas in the face inversion effect. *Neuropsychologia*, 49: 3448-3453.
- Dalrymple, K.A., Oruç, I., Duchaine, B., Pancaroglu, R., Fox, C.J., Iaria, G., Handy, T.C. & Barton, J.J.S. (2011). The neuroanatomic basis of the right face-selective N170 in acquired prosopagnosia: A combined ERP/fMRI study. *Neuropsychologia*, 49: 2553-63.
- Cook, R. & Duchaine, B. (2011). A look at how we look at others: Orientation inversion and photographic negation disrupt the perception of human bodies. *Visual Cognition*, 19: 445-468.
- Furl, N., Garrido, L., Dolan, R., Driver, J., & Duchaine, B. (2011). Fusiform gyrus face selectivity reflects facial recognition ability. *Journal of Cognitive Neuroscience*, 23: 1723-1740.
- Pitcher, D., Walsh, V., & Duchaine, B. (2011) The role of the occipital face area in the cortical face perception network. *Experimental Brain Research*, 209: 481-493.
- Banissy, M., Garrido, L., Kusnir, F., Duchaine, B., Walsh, V., & Ward, J. (2011). Superior facial expression, but not identity recognition, in mirror-touch synaesthesia. *Journal of Neuroscience*, 31: 1820-1824.
- Germine, L., Duchaine, B., & Nakayama, K. (2011). Where cognitive development and aging meet: Face learning ability peaks after age 30. *Cognition*, 118: 201-210.
- Germine, L., Cashdollar, N., Düzel, E., & Duchaine, B. (2011). A new selective developmental deficit: Impaired object recognition with normal face recognition. *Cortex*, 47: 598-607.
- Wilmer, J., Germine, L., Loken, E., Guo, X., Chatterjee, G., Nakayama, K., Williams, M., Chabris, C., and Duchaine, B. (2010) Response to Thomas: Is human face recognition ability entirely genetic? *Proceedings of the National Academy of Sciences*, 107(24): E101.
- Wilmer, J.B., Germine, L., Chabris, C.F., Chatterjee, G., Williams, M., Loken, E., Nakayama, K., & Duchaine, B. (2010). Human face recognition ability is highly heritable. *Proceedings of the National Academy of Sciences*, 107: 5238-5241.
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- Lee, Y., Duchaine, B., Nakayama, K., & Wilson, H. (2010). Three cases of developmental prosopagnosia from one family: Detailed neuropsychological and psychophysical investigation of face processing. *Cortex*, 46: 949-964.
- Garrido, L., Furl, N., Draganski, B., Weiskopf, N., Stevens, J., Tan, G.C-Y., Driver, J., Dolan, R., & Duchaine, B. (2009). VBM reveals reduced gray matter volume in the temporal cortex of developmental prosopagnosics. *Brain*, 132: 3443-3455.

- Bowles, D., McKone, E., Dawel, A., Duchaine, B., Schmalzl, L., Palermo, R., Wilson, C.E., & Rivolta, D. (2009). Diagnosing prosopagnosia: Effects of aging and participant-stimulus ethnic match on the Cambridge Face Memory Test and Cambridge Face Perception Test. *Cognitive Neuropsychology*, 26, 423-455.
- Averbeck, B. & Duchaine, B. (2009). Integration of social and utilitarian factors in decision making. *Emotion*, 9: 599-608.
- Duchaine, B., Jenkins, R., Germine, L., & Calder, A.J. (2009). Normal gaze discrimination and adaptation in seven prosopagnosics. *Neuropsychologia*, 47: 2029-2036.
- Pitcher, D., Charles, L., Devlin, J., Walsh, V., & Duchaine, B. (2009). Triple dissociation between faces, bodies, and objects in extrastriate cortex. *Current Biology*, 19: 319-324.
- Russell, R., Duchaine, B., & Nakayama, K. (2009). Super-recognizers: People with extraordinary face recognition ability. *Psychonomic Bulletin & Review*, 16: 252-257.
- Garrido, L., Eisner, F., McGettigan, C., Stewart, L., Sauter, D., Hanley, J.R., Schweinberger, S.R., Warren, J.D., & Duchaine, B. (2009). Developmental phonagnosia: a selective deficit to vocal identity recognition. *Neuropsychologia*, 47: 123-131.
- Duchaine, B. (2008). Editorial Comment on Prevalence of Hereditary Prosopagnosia (HPA) in Hong Kong Chinese Population. *American Journal of Medical Genetics Part A*, 146A: 2860-2862.
- Yardley, L., McDermott, L., Pisarski, S., Duchaine, B., & Nakayama, K. (2008). Psychosocial consequences of developmental prosopagnosia: A problem of recognition. *Journal of Psychosomatic Research*, 65: 445-451.
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- Duchaine, B., Germine, L., & Nakayama, K. (2007). Family resemblance: Ten family members with prosopagnosia and within-class object agnosia. *Cognitive Neuropsychology*. 24: 419-430.
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- Duchaine, B., Parker, H., & Nakayama, K. (2003). Normal emotion recognition in a prosopagnosic. *Perception*, 32, 827-838.
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### Book Chapters and Book Reviews

- Yovel, G., Duchaine, B., & Freiwald, W. (2024). *Cortical face processing systems*. In: *Encyclopedia of the Human Brain*, 2nd edition (editor: Grafman, J). Elsevier.
- Duchaine, B. (2011). Developmental prosopagnosia. In: Handbook of Face Perception (Eds: Calder, Rhodes, Haxby, & Johnson), Oxford University Press.
- Pitcher, D., Walsh, V., & Duchaine, B. (2011). Transcranial magnetic stimulation studies of face perception. In: Handbook of Face Perception (Eds: Calder, Rhodes, Haxby, & Johnson), Oxford University Press.
- Duchaine, B. (2008). Review of Evolutionary Cognitive Neuroscience. Quarterly Review of Biology. 83: 100.
- Duchaine, B. & Yovel, G. (2007). Face recognition. In: The Senses: A Comprehensive Reference. Elsevier: Amsterdam, 1<sup>st</sup> edition, 329-358.
- Duchaine, B. (2005). Review of M. Farah's Visual Agnosia, 2nd Ed. Optometry & Vision Science, 82(5): 356-357.
- Fridlund, A.J. & Duchaine, B. (1995). Facial expressions of emotion and the delusion of the Hermetic Self. In: R. Harre & W.G. Parrott (Eds.), *The Emotions*. Sage: London.

### Invited Talks

- 2023:** Department of Psychiatry, Dartmouth Hitchcock Medical Center • Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical Center • New York University-Abu Dhabi, Psychology Seminar Series
- 2022:** American Association for the Advancement of Science Annual Meeting • British Neuropsychological Society, Spring Meeting
- 2021:** Bar Ilan University, Vision Science Seminar
- 2020:** University of Stirling, CORGIs • Birkbeck College, Department of Psychological Sciences

**2019:** NIH, Affective Neuroscience Series • UC-Berkeley, Neuroscience Institute • Baylor University, CAMRI Neuroscience Seminar • University of Delaware, EPSCOR Workshop • Federal Bureau of Investigation, National Academy • British Neuropsychological Society, London

**2018:** University of Victoria Wellington, Psychology Department • CCD Person Perception Workshop, University of Western Australia • Hebrew University, Bentin Lecture in Cognitive Neuroscience

**2017:** Experimental Psychological Society, Reading University • Center for Cognitive Neuroscience Retreat, Dartmouth College • Face Recognition at its Best, London

**2016:** Rockefeller University, Town Hall

**2015:** Person Perception Conference, Israel Institute for Advanced Studies • Harvard, Psychology • UMass, Neuroscience & Behavior

**2014:** USC, Neuroscience • Goldsmiths College, ESRC Social Perception Workshop • University of Trento, Rovereto Workshop on Concepts, Actions, Objects

**2013:** University of Minnesota, Institute of Child Development • Peking University, McGovern Institute • Beijing Normal University, Imaging Center for Brain Research

**2012:** Université de Montréal, CERNEC • University of Maryland, Cognitive Science Colloquium

**2011:** Rockefeller University, Center for Mind, Brain and Behavior • University College London, ICN Workshop on Faces & Voices • Birkbeck College, Prosopagnosia Open Day • Dartmouth-Hitchcock Medical Center, Neuroscience Center

**2010:** Dartmouth College, Psychological and Brain Sciences • UC-Irvine, Cognitive Sciences • Dartmouth College, Social Brain Sciences

**2009:** MIT, McGovern Institute for Brain Research • Dartmouth College, Psychological and Brain Sciences • Caltech, Computation and Neural Systems • Elizabeth Warrington Prize Lecture, British Neuropsychological Society • UCL, Exploring Science and Society Seminar Series • Harvard University, Psychology

**2008:** University of Warwick, Psychology • University of Essex, Psychology • UC-San Diego, Psychology • UC-Berkeley, Psychology/Neuroscience • Queen Mary College, School of Biological Sciences • University of Sydney, Psychology • Macquarie University, Macquarie Centre for Cognitive Science • USC, Neuroscience • Birmingham University, BUIC • Johns Hopkins University, Neurology • UC-Santa Barbara, Psychology • UCLA-UCSB Evolution, Mind, & Behavior Conference • King's College London, Institute of Psychiatry • Swansea University, Psychology • Brunel University, Psychology • Johns Hopkins University, Cognitive Science

**2007:** University of Glasgow, Psychology • University of Sheffield, Psychology • University of Wales-Bangor, Psychology • Università di Trento, Center for Mind/Brain Sciences • UCL Alumni Association • Skidmore College, Psychology • University of Warwick, Undergraduate Psychology Retreat

**2006:** USC, Cognitive Neuroscience Imaging Center • University of Geneva, Clinical Neurology • UCL, Wellcome Trust Centre for Neuroimaging • University of Cambridge, MRC-Cognition and Brain Sciences Unit • UCL, Lunch Hour Lecture • Birkbeck College, Centre for Brain and Cognitive Development • Goldsmiths College, Psychology • Muenster University, Psychology

**2005:** University College London, Psychology • Cognitive Neuroscience Society, New York City • University of Michigan, Psychology • University of Colorado-Boulder, Psychology • University College London, Institute of Cognitive Neuroscience • University of California-Los Angeles, Anthropology • Denver University, Psychology • University of Utah, Psychology • Boston University, Biomedical Engineering • Brunel University, Psychology

**2004:** Yale University, Psychology • Summer Institute in Cognitive Neuroscience, Dartmouth College • Duke University, Center for Cognitive Neuroscience • Emory University, Psychology • University of California-Irvine, Cognitive Sciences • George Washington University, Psychology • VA Boston Healthcare System, Psychology Research

**2003:** Harvard University, Psychology • Harvard University, Social/Affective Neuroscience Series

**2002:** Boston University, Biomedical Engineering

**2001:** Harvard University, Vision Sciences Laboratory • University of California-Berkeley, Psychology • University of California-Los Angeles, Anthropology

### Teaching

2010- Introduction to Psychology (1), Laboratory in Psychological Science (11), Social Perception (53), Selective Developmental Deficits (86), Face Perception (179)  
 2005-2009 Perception & Attention: UCL/Birkbeck's Cognitive Neuroscience MSc programme  
 2005-2010 1<sup>st</sup> year seminar: UCL Psychology  
 Fall 2002 Evolutionary Psychology: Undergraduate seminar in Harvard's Psychology Dept  
 Summer 2001 Perception: UCSB Psychology  
 Summer 1999 Cognition: UCSB Psychology

### Editing and Reviewing

**Special Issues Edited:** Selective Deficits in Developmental Cognitive Neuropsychology (Cognitive Neuropsychology, 2006); Developmental Prosopagnosia (Cognitive Neuropsychology, 2012)

**Action Editor:** Cognitive Neuropsychology (2010-2016)

**Action Editor (ad hoc):** Proceedings of the National Academy of Sciences; Journal of Vision

**Editorial Board:** Cognitive Neuropsychology (2010-Current); Psychological Science (2012-Current)

**Ad hoc reviewing for journals:** American Journal of Medical Genetics-A; Arts; Attention, Perception, and Psychophysics; Autism Research; Behavior Research Methods; Biological Letters; Brain; Brain Research; Brain Research Methods; British Journal of Developmental Psychology; British Journal of Psychology; Cell; Cerebral Cortex; Child Development; Clinical Genetics; Cognition; Cognition and Emotion; Cognitive Neuroscience; Cognitive Research: Principles and Implications; Cognitive Science; Cortex; Current Biology; Developmental Cognitive Neuroscience; Developmental Science; eLife; Evolution & Human Behavior; Evolutionary Psychology; Evolution and Human Behavior; Frontiers in Human Neuroscience; Genetics; Human Brain Mapping; iScience; Journal of Autism and Developmental Disorders; Journal of Clinical and Experimental Neuropsychology; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: Applied; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of the International Neuropsychological Society; Journal of Neurophysiology; Journal of Neuropsychology; Journal of Neuroscience; Journal of Personality and Social Psychology; Journal of Vision; Molecular Autism; Nature Neuroscience; Neuroimage; Neuron; Neuropsychologia; NeuroReport; Perception; PLoS ONE; Proceedings of the National Academy of Sciences; Proceedings of the Royal Society – B; Psychiatry Research; Psychological Science; Psychonomic Bulletin and Review; Quarterly Journal of Experimental Psychology; Royal Society Open Science; Scientific Reports; Social Cognition; Social Cognitive Affective Neuroscience; Spatial Vision; Survey of Ophthalmology; Trends in Cognitive Science; Visual Cognition; Vision Research.

**Study Section Panel Member:** NIH, Cognition & Perception (Member Conflict Panel).

**Ad hoc for funding agencies:** Biotechnology and Biological Sciences Research Council (UK), British Academy, Economic and Social Research Council (UK), FNRS/Fund for Scientific Research (Belgium), Israeli Science Foundation, Leverhulme, National Science Foundation (US), MacArthur Fellowship Program, Macquarie University Research Fellowship Scheme (Australia), Medical Research Council (UK), Oesterreichische Nationalbank Anniversary Fund (Austria), Research Foundation – Flanders (Belgium), Royal Society of Edinburgh, Swiss National Science Foundation, US-Israeli Binational Science Foundation, Wellcome Trust (UK).

### Popular Media (selected)

**Newspapers:** Boston Globe (page 1), New York Times (page 1), New York Times Magazine, The Times, The Times Magazine (cover story), The Times Health (cover story), Wall Street Journal (page 1), The Observer, Neue Zürcher Zeitung, Dagens Nyheter, Daily Mirror, Reuters Health, Daily Mail, The Globe and Mail, USA Today, Corriere della Sera, Daily Record, Telegraph (London), Valley News, Pittsburgh Press-Gazette, Yahoo News, Business Insider, Daily Mail, The Sun

**Magazines:** The Economist, Wired, People, New Scientist, The New Yorker, ScienceNow, MSNBC Health, Time, Times Educational Supplement, Veja, Semana, Pazar, Science News, Businessweek, Vogue, Nature, The Scientist, Upper Valley Life, New York Magazine, Science News for Students, Science Friday, Marquette Magazine, Smithsonian, Newsweek, Scientific American

**Television:** 60 Minutes, BBC1 Midday News, Inside Out London, Nitebeat, Superquark, The Morning Show with Mike and Juliet, This Morning, Fox News, BBC's History of Surgery, CNN International, National Geographic Explorer, NBC News

**Radio/Podcasts:** BBC World Service, BBC4, BBC5, Brainfacts, CBS Weekend Roundup, LBC Radio, CBC As It Happens, Guardian Science Podcast, Dublin Newstalk, Adler Online, Radio Europe Mediterraneo, Sirius XM/Doctor Radio, Vermont Public Radio, To The Point (KCRW), Radio Ireland, Snap Judgment, All in the Mind - Australian Broadcasting Corporation, Society for Neuroscience Brain Facts, National Radio of Slovenia, Science for the People, BYURadio Constant Wonder, Brain in a Vat