

Richard Russell

October 2017

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PROFESSIONAL APPOINTMENTS

Gettysburg College	Associate Professor	2015 – present
	Assistant Professor	2009 – 2015
University of St Andrews	Visiting Academic	2013 – 2014

EDUCATION & TRAINING

Harvard University	Postdoctoral Fellow	2005 – 2009
Massachusetts Institute of Technology	Ph.D. Cognitive Science	2000 – 2005
University of Southern California	Visiting Scholar	summer 2003
Cambridge University	Research Assistant	1998 – 2000
Pomona College	B.A. Neuroscience	1998

GRANTS

CEntre de Recherches et d' Investigations Épidermiques et Sensorielles 2015 - 2018
(CE.R.I.E.S) *Facial contrast, skin homogeneity, and wrinkles*

CEntre de Recherches et d' Investigations Épidermiques et Sensorielles 2011 - 2015
(CE.R.I.E.S) *Facial contrast and health perception*

CEntre de Recherches et d' Investigations Épidermiques et Sensorielles 2010 - 2011
(CE.R.I.E.S) *Facial contrast and age perception*

National Institutes of Health Kirchstein-NRSA Post-Doctoral Fellowship 2006 - 2009
Fractionating visual face perception

PUBLICATIONS

Batres, C., **Russell, R.**, Campbell, L., Simpson, J., Milroy, A., & Cronk, L. (In press)
Makeup is a false signal of sociosexuality. *Personality and Individual Differences*

Jones, A.L., Porcheron, A., & **Russell, R.** (In press) Makeup changes the apparent
size of facial features. *Psychology of Aesthetics, Creativity, and the Arts*

Jones, A.L., Batres, C., Porcheron, A., Sweda, J., Morizot, F., & **Russell, R.** (In press)
Positive facial affect looks healthy. *Visual Cognition*

- Russell, R.**, Kramer, S.S., & Jones, A.L. (In press) Facial contrast declines with age but remains sexually dimorphic throughout adulthood. *Adaptive Human Behavior and Physiology*
- Russell, R.** (2017) The Illusion of Sex. In Shapiro, A.G. & Todorovic, D. (Eds.) *The Oxford Compendium of Visual Illusions*. Oxford: Oxford University Press
- Porcheron, A., Mauger, E., Soppelsa, F., Liu, Y., Ge, L., Pascalis, O., **Russell, R.**, & Morizot, F. (2017) Facial contrast is a cross-cultural cue for perceiving age. *Frontiers in Psychology* 8:1208
- Mileva, V.R., Jones, A., **Russell, R.**, & Little, A. (2016) Sex differences in the perceived dominance and prestige of women with and without cosmetics. *Perception* 45: 1166-1183
- Russell, R.**, Porcheron, A., Sweda, J., Jones, A.L., Mauger, E., & Morizot, F. (2016) Facial contrast is a cue for perceiving health from the face. *Journal of Experimental Psychology: Human Perception and Performance* 42(9): 1354-1362
- Jones, A.L., Porcheron, A., Sweda, J., Morizot, F., & **Russell, R.** (2016) Coloration in different areas of facial skin is a cue to health: The role of cheek redness and periorbital luminance in health perception. *Body Image* 17: 57-66
- Germine, L., **Russell, R.**, Bronstad, P.M., Blokland, G.A.M., Smoller, J.W., Kwok, H., Anthony, S.E., Nakayama, K., Rhodes, G., Wilmer, J.B. (2015) Individual aesthetic preferences for faces are shaped mostly by environments not genes. *Current Biology* 25(20): 2684-2689
- Jones, A.L., **Russell, R.**, & Ward, R. (2015) Cosmetics alter biologically based factors of beauty: Evidence from sex differences in facial contrast. *Evolutionary Psychology* 13(1): 210-229
- Russell, R.**, Sweda, J., Porcheron, A., & Mauger, E. (2014) Sclera color changes with age and is a cue for the perception of age, health, and beauty. *Psychology and Aging* 29(3): 626-635
- Porcheron, A., Mauger, E., & **Russell, R.** (2013) Aspects of facial contrast decrease with age and are cues for age perception. *PLOS ONE* 8(3): e57985
- Russell, R.**, Chatterjee, G., & Nakayama, K. (2012) Developmental prosopagnosia and super-recognition: no special role for surface reflectance processing. *Neuropsychologia* 50: 334-340
- Russell, R.** (2012) Cosmetics Use: Psychological Perspectives. In Cash, T. (Ed.) *Encyclopedia of Body Image and Human Appearance*. San Diego: Academic Press. pp. 366-371
- Sinha, P. & **Russell, R.** (2011) A perceptually based comparison of image-similarity metrics. *Perception*, 40(11): 1269-1281
- Russell, R.** (2010) Why cosmetics work. In Adams, R., Ambady, N., Nakayama, K., & Shimojo S. (Eds.) *The Science of Social Vision*. Oxford: Oxford University Press. pp. 186-203
- Chen, H., **Russell, R.**, Nakayama, K., & Livingstone, M. Crossing the "Uncanny Valley": adaptation to cartoon faces can influence perception of human faces (2010) *Perception*, 39: 378-386
- Russell, R.** A sex difference in facial contrast and its exaggeration by cosmetics. (2009) *Perception*, 38: 1211-1219

- Russell, R.**, Duchaine, B., & Nakayama, K. Super-recognizers: People with extraordinary face recognition ability. (2009) *Psychonomic Bulletin & Review*, 16(2): 252-257
- Bronstad, P.M., Langlois, J.H., & **Russell, R.** (2008) Computational models of facial attractiveness judgments. *Perception*. 37: 126-142
- Bronstad, P.M. & **Russell, R.** (2007) Beauty is in the “we” of the beholder: Greater agreement on facial attractiveness among close relations. *Perception*. 36: 1674-1681
- Russell, R.**, Biederman, I., Nederhouser, M., & Sinha, P. (2007) The utility of surface reflectance for the recognition of upright and inverted faces. *Vision Research*, 47: 157-165
- Russell, R.** & Sinha, P. (2007) Real world face recognition: The importance of surface reflectance properties. *Perception*. 36: 1368-1374
- Sinha, P., Balas, B.J., Ostrovsky, Y., & **Russell, R.** (2006) Face recognition by humans: 19 results all computer vision scientists should know about. *Proceedings of the IEEE*. Vol. 94, No. 11, 1948-1962.
- Russell, R.**, Sinha, P., Biederman, I., & Nederhouser, M. (2006) Is pigmentation important for face recognition? Evidence from contrast negation. *Perception*. 35: 749-759
- Sinha, P., Balas, B.J., Ostrovsky, Y., & **Russell, R.** (2006) Face recognition by humans. In Chellappa, R. & Zhao, W. (Eds.) *Face Processing: Advanced Modeling and Methods* London: Academic Press. pp. 257-91
- Russell, R.** (2003) Sex, beauty, and the relative luminance of facial features. *Perception*. 32: 1093-1107
- Devlin, J. T., **Russell, R. P.**, Davis, M. H., Price, C. J., Moss, H. E., Fadili, J., & Tyler, L. K. (2002) Is there an anatomical basis for category specificity? Semantic memory studies in PET and fMRI. *Neuropsychologia* 40(1): 54-75
- Tyler L.K., **Russell R.**, Fadili J., & Moss H.E. (2001) The neural representation of nouns and verbs: PET studies. *Brain*. 2001 124(8):1619-34.
- Devlin, J.T., **Russell, R.P.**, Davis, M.H., Price, C.J., Moss, H.E., Matthews, P.M., & Tyler, L.K. (2000) Susceptibility-induced loss of signal: Comparing PET and fMRI on a semantic task *Neuroimage* 11 (6): 589-600
- Devlin, J.T., Davis, M.H., McLelland, S.A., & **Russell, R.P.** (2000) Efficiency, information theory, and neural representations. *Behavioural and Brain Sciences* 23(4): 475

CONFERENCE PRESENTATIONS

- Russell, R.**, Batres, C., Jones, A.L., & Porcheron, A. Skin appearance is affected by local contrast. Poster presented to Optical Society of America, Fall Vision Meeting. Washington, DC. October 2017
- Bayet, L., Damon, F., Méary, D., Porcheron, A., **Russell, R.**, Pascalis, O. Sensitivity to contrast-enhanced facial features in 3- to 6- month old human infants. Poster presented to the Society for Research in Child Development. Austin, Texas. April 2017

- Russell, R.**, Batres, C., Courrèges, S., Kaminski, G., Soppelsa, F., Morizot, F., & Porcheron, A. Makeup makes women look thirty. Poster presented to the Nonverbal preconference of the Society for Personality and Social Psychology. San Antonio, Texas. January 2017
- Russell, R.**, Jones, A.L., & Porcheron, A. Facial contrast affects the perception of skin homogeneity and wrinkles. Poster presented to the Vision Sciences Society. St. Pete Beach, Florida. May 2016
- Cohan, S., **Russell, R.**, Wilmer, J., Nakayama, K., & Duchaine, B. Broadly Superior: Many, but not all, visual and non-visual abilities are strong in face super-recognizers. Poster presented to the Vision Sciences Society. St. Pete Beach, Florida. May 2016
- Jones, A.L., Porcheron, A., Sweda, J.R., Morizot, F., & **Russell, R.** Coloration in different areas of facial skin is a cue to health: The role of cheek redness and periorbital luminance in health perception. Poster presented to the European Human Behaviour and Evolution Association. London, UK. April 2016
- Russell, R.**, Porcheron, A., Sweda, J.R., Mauger, E., & Morizot, F. Facial contrast is a cue for health perception. Poster presented to the Vision Sciences Society. St. Pete Beach, Florida. May 2015
- Porcheron, A., Mauger, E., Soppelsa, F., **Russell, R.**, & Morizot, F. Facial contrast is a universal cue for perceiving age. Poster presented to the Vision Sciences Society. St. Pete Beach, Florida. May 2015
- Porcheron, A., Mauger, E., Sweda, J., Pascalis, O., **Russell, R.**, Morizot, F. Facial contrast varies between ethnic groups but its decline with age is universal. Talk presented at the 28th Congress of the International Federation of Cosmetic Chemists. Paris, France. October 2014
- Parsi, G.K., Bronstad, P.M., **Russell, R.**, Otarola-Castillo, E., & Briss, D.S. Morphometric analysis of facial structures and its relationship to attractiveness. Poster presented at the annual meeting of the Association for Psychological Science. San Francisco, California. May 2014
- Jones, A.L., **Russell, R.**, & Ward, R. Examining sexual dimorphism: The effects of facial contrast on perceptions of sex typicality. Talk presented at the Experimental Psychology Society. Kent, UK. April 2014
- Russell, R.**, Sweda, J.R., Porcheron, A., & Mauger, E., & Morizot, F. Facial contrast varies with health and is a cue for health perception. Talk presented at the Tagung experimentell arbeitender Psychologen (Conference of Experimental Psychologists). Gießen, Germany. April 2014
- Parsi, G.K., **Russell, R.**, Bronstad, P.M., & Will, L.A. Comparison of attractiveness perception between orthodontists, laymen and computer model. Talk presented at the annual meeting of the American Association for Dental Research. Charlotte, North Carolina. March 2014
- Russell, R.**, Porcheron, A., & Mauger, E. Facial contrast is a cue to age as well as to sex and beauty. Talk presented at the annual meeting of the Association for Psychological Science. Washington, DC. May 2013
- Wilmer, J., **Russell, R.**, Bronstad, M., Kwok, H., Anthony, S., & Germine, L. Disagreements about the attractiveness of faces arise largely from past

- experience: evidence from twins. Poster presented to the Vision Sciences Society. Naples, Florida. May 2013
- Porcheron, A., Mauger, E., Sweda, J.R., Morizot, F., & **Russell, R.** Aspects of facial contrast are cues for age and health perception. Poster presented to the International Investigative Dermatology conference. Edinburgh, UK. May 2013
- Mileva, V.R., Jones, A., **Russell, R.**, & Little, A.C. The made-up lass is of higher class: Sex differences of dominance and prestige for women with and without make-up. Poster presented to the European Human Behaviour & Evolution Association conference. Amsterdam, The Netherlands. March 2013
- Russell, R.**, Porcheron, A., & Mauger, E. Increased facial contrast makes faces look younger as well as more feminine. Poster presented to the Society for Personality and Social Psychology. New Orleans, Louisiana. January 2013
- Russell, R.**, Porcheron, A., & Sweda, J.R. Eyes with higher contrast look younger. Poster presented to the Vision Sciences Society. Naples, Florida. May 2012
- Porcheron, A., Mauger, E., Morizot, F., & **Russell, R.** Faces with higher contrast look younger. Poster presented to the Vision Sciences Society. Naples, Florida. May 2011
- Strong, E.R., **Russell, R.**, Germine, L., & Wilmer, J.B.. Face processing abilities relate to career choice. Poster presented to the Vision Sciences Society. Naples, Florida. May 2011
- Chen, H., **Russell, R.**, Nakayama, K., & Livingstone, M. Crossing the “Uncanny Valley”: adaptation to cartoon faces can influence perception of human faces. Poster presented to the Vision Sciences Society. Naples, Florida. May 2010
- Russell, R.**, Yue, X., Nakayama, K., & Tootell, R.B.H. Neural differences between developmental prosopagnosics and super-recognizers. Poster presented to the Vision Sciences Society. Naples, Florida. May 2010
- Russell, R.**, Chatterjee, G., & Nakayama, K. The use of shape and pigmentation information across the spectrum of face recognition ability. Poster presented to the Vision Sciences Society. Naples, Florida. May 2009
- Chatterjee, G., **Russell, R.**, & Nakayama, K. Non-face visual memory impairments in developmental prosopagnosia. Poster presented to the Vision Sciences Society. Naples, Florida. May 2009
- Russell, R.**, Duchaine, B., & Nakayama, K. Exceptional face recognition ability. Poster presented at the Second Annual Social and Affective Neuroscience conference. Boston, Massachusetts. June 2008
- Russell, R.**, Chatterjee, G., Duchaine, B., & Nakayama, K. Super-recognizers: People with exceptional face recognition ability. Poster presented at Tufts University conference on Cognitive Neuroscience of Visual Knowledge: Where Vision Meets Memory Conference. Medford, Massachusetts. May 2008
- Russell, R.**, Duchaine, B., & Nakayama, K. Extraordinary face recognition ability. Talk presented at the Annual Meeting of the Psychonomic Society. Long Beach, California. November 2007
- Russell, R.**, Duchaine, B., & Nakayama, K. Extraordinary face recognition. Poster presented to the Vision Sciences Society. Sarasota, Florida. May 2007

- Nakayama, K., Garrido, L., **Russell, R.**, Chabris, C.F., Gerbasi, M., & Duchaine, B. Developmental prosopagnosia: phenotypes and estimated prevalence. Talk presented to the Society for Neuroscience. Atlanta, Georgia. October 2006
- Russell, R.** & Sinha, P. Pigmentation is important for familiar face recognition. Poster presented to the Vision Sciences Society. Sarasota, Florida. May 2006
- Bronstad, P., Langlois, J.H., **Russell, R.** Explaining human facial attractiveness judgments. Poster presented to the Vision Sciences Society. Sarasota, Florida. May 2006
- Russell, R.** Male and female faces are differently pigmented. Poster presented to the Vision Sciences Society. Sarasota, Florida. May 2005
- Russell, R.**, Sinha, P., Nederhouser, M., & Biederman, I. The importance of pigmentation for face recognition. Poster presented to the Vision Sciences Society. Sarasota, Florida. May 2004
- Greene, M.R., **Russell, R.**, & Biederman, I. The N170 adapts only to the shape—not the pigmentation—of individual faces. Poster presented to the Vision Sciences Society. Sarasota, Florida. May 2004
- Russell, R.**, Nederhouser, M., & Biederman, I. The roles of shape and surface in face processing. Poster presented to the workshop on Object Perception, Attention, and Memory. Vancouver, British Columbia. November 2003
- Russell, R.** Contrast, sex, and facial attractiveness. Poster presented to the Vision Sciences Society. Sarasota, Florida. May 2003
- Russell, R.** Facial contrast, sex, and beauty. Poster presented to the Cognitive Neurosciences Society. New York, New York. April 2003
- Russell, R.P.** Facial coloration, sex, and beauty. Poster presented at the European Conference for Visual Perception. Glasgow, UK. August 2002
- Russell, R.P.** & Sinha, P. A Perceptually based comparison of image similarity metrics. Poster presented to the Vision Sciences Society. Sarasota, Florida. May 2002
- Tyler, L.K., Devlin, J.T., **Russell, R.P.**, & Moss, H.E. The neural representation of nouns and verbs: Evidence from imaging. Poster presented to the Cognitive Neuroscience Society, San Francisco. April 2000
- Devlin, J.T., **Russell, R.P.**, Price, C.J., et al. Neuroimaging evidence for a unitary semantic system. Poster presented to the Cognitive Neuroscience Society, San Francisco. April 2000

INVITED TALKS

- 2016 The New Yorker Festival *The super-recognizers*
- 2014 Université de Montréal *A functional account of cosmetics*
- 2014 Concordia University *A functional account of cosmetics*
- 2014 University of Nottingham, Malaysia Campus *A functional account of cosmetics*
- 2014 Bournemouth University *A functional account of cosmetics*
- 2013 University of St Andrews *A functional account of cosmetics*
- 2013 University of Sheffield *Why Cosmetics Work*
- 2012 Friedrich Schiller University Jena *Face recognition across the spectrum of ability: developmental prosopagnosics and super-recognizers*
- 2012 University of Aberdeen *A functional account of cosmetics*
- 2012 University of Stirling *A functional account of cosmetics*
- 2010 Colby College *Sex differences in pigmentation and their relation to cosmetics*
- 2010 Rutgers University *Face recognition via reflectance and shape cues across the spectrum of ability*
- 2010 Franklin & Marshall College *Why Cosmetics Work*
- 2008 Dartmouth University *Explorations in face perception*
- 2005 Harvard University *Is pigmentation important for face perception?*

SELECTED MEDIA COVERAGE

- | | | |
|---------------------------|--|-----------------|
| APA Monitor on Psychology | <i>A biological basis for cosmetics?</i> | June, 2017 |
| New Yorker | <i>The detectives who never forget a face</i> | Aug 22, 2016 |
| New York Times | <i>London police 'super-recognizer' walks beat with a facebook of the mind</i> | Oct 9, 2015 |
| CBS News | <i>Science explains why beauty is in the eye of the beholder</i> | Oct 2, 2015 |
| Nat. Geographic Channel | <i>Brain Games</i> | July 28, 2014 |
| NPR Science Friday | <i>Why do we remember faces but not names?</i> | June 10, 2013 |
| BBC World Service | <i>Make-up</i> | June 3, 2013 |
| Scientific American Mind | <i>What's in a Face?</i> | Jan/Feb, 2012 |
| Wall Street Journal | <i>Brain Tricks</i> | Nov 20, 2010 |
| New Yorker | <i>Face-blind</i> | August 30, 2010 |
| New York Times | <i>A memory for faces, extreme version</i> | May 25, 2009 |
| BBC World Service | <i>Super-recognizers</i> | April 27, 2009 |

AWARDS

- Visiting Fellow, Center for Liberal Arts and Society at Franklin & Marshall College
2010
- Best Visual Illusion of the Year Contest, 3rd prize
2009
- Angus MacDonald Award for Excellence in Undergraduate Teaching
2004

TEACHING EXPERIENCE

General Psychology (Spring 2010, Fall 2010, Spring 2012, Spring 2013)
Sensation and Perception (Spring 2010, Fall 2010, Fall 2011, Fall 2012, Spring 2015, Fall 2015, Fall 2016, Fall 2017)
Human Cognition (Fall 2009)
Statistics and Research Methods II (Spring 2015, Spring 2016, Spring 2017, Spring 2018)
Advanced Laboratory in Perception (Fall 2009, Spring 2011, Fall 2011, Fall 2012, Fall 2014, Fall 2015, Fall 2016, Fall 2017)
Honors Research (Spring 2013)
Individualized Reading (Fall 2011)
Individualized Research (Spring 2012)

UNDERGRADUATE RESEARCHERS SUPERVISED

Gettysburg Weiqing Shen, Caroline DeAngelis, Mary Beth Bielicki, Sarah Kramer, Bowen Yang, Aleksandra Petkova, Grace Qian Wei, Michael Behling, Binglei Chen, Stephanie Tait, Derik Yager-Elorriaga, Lydia MacKenzie, Alexandra Stoehr

Harvard & MIT Haiwen Chen, Peng Sun, Quynh Nguyen, Robert Luedeman, Ben Burns, Anna Tong, Chen Zhao, Ann Breckenkamp, Mariana Recalde, Wendy Pierce, Erin Krizay, Sarah Chu, Jonathan Choi, Omoleye Roberts, Jill Jin, Nao Gamo, Aaysha Siddiqui, Charisse L'Pree Corsbie-Massay

OTHER RESEARCHERS SUPERVISED

Carlota Batres – postdoctoral fellow	2016 - present
Alex L. Jones – postdoctoral fellow	2014 - 2015
Jennifer R. Sweda – research assistant	2011 - 2013
Aurélie Porcheron – visiting researcher	2010 - 2011

PHD EXAMINATIONS / COMMITTEES

Claudia Menzel; Friedrich Schiller University Jena	June 2016
Nicolas Dupuis-Roy; Université de Montréal	Dec 2014
Chrystalle B.Y. Tan; University of Nottingham, Malaysia Campus	May 2014

COLLEGE & DEPARTMENTAL SERVICE

Gettysburg College Honor Commission faculty advisor (2014-2015)
Gettysburg College Committee on Learning Assessment (2011-2014)
Psychology department representative, Institutional Review Board (2009-2013, 2014-present)
Psychology department Kenneth L Smoke Colloquium Series organizer (2011-2013)

Psychology department representative, Library (2010-2012)

PEER REVIEWING

Journals

ACM Transactions on Applied Perception, Acta Psychologica, AGE, Body Image, British Journal of Psychology, Cognition, Cognition & Emotion, Cognitive Neuropsychology, Cortex, Emotion, Evolution and Human Behavior, Evolutionary Psychology, Experimental Brain Research, Frontiers in Psychology, Infant Behavior and Development, Japanese Psychological Research, Journal of Experimental Psychology: Human Perception and Performance, Journal of Experimental Psychology: Learning, Memory, and Cognition, Journal of Social and Personal Relationships, Journal of Vision, Journal of Visualized Experiments, Neuroscience, Neuroscience Letters, Quarterly Journal of Experimental Psychology, Perception, Personality and Individual Differences, PLOS ONE, Proceedings of the Royal Society of London B: Biological Sciences, Psychological Science, Psychology and Aging, Scientific Reports, Social Cognition, Social Neuroscience, Visual Cognition, Vision Research

Grants

Ministry of Business, Innovation, and Employment (New Zealand); National Research Foundation (South Africa); Wiener Wissenschafts-, Forschungs- und Technologiefonds (Vienna Science and Technology Fund)

PROFESSIONAL MEMBERSHIPS

Association for Psychological Science
Psychonomic Society
Society for Personality and Social Psychology
Vision Sciences Society