

Michael Muthukrishna

Assistant Professor of Economic Psychology
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University Education

Degrees	Field	Institution	Year
Ph.D*	Psychology**	University of British Columbia	2015
M Arts	Psychology	University of British Columbia	2012
B Engineering (Hons I)	Software	University of Queensland	2010
B Arts (GPA Hons I)	Psychology	University of Queensland	2010

*Awarded top social science dissertation in US and Canada by Council of Graduate Schools (CGS) – one award per year.

**minor in statistical methods; additional graduate-level courses in biology, economics, and statistics.

Major Awards, Fellowships, and Grants (see also ‘Other Awards and Fellowships’ below)

- 2020 Templeton World Charity Foundation for “A Theory for Cephalopod Intelligence: The Alien Intelligence in Our Midst.” (PI; 3 years; \$234K; ID: TWCF0464)
- 2019 Spencer Foundation Grant for “Schooling and the cultural foundations of cognition: Variable formal education exposure in two natural experiments.” (Co-PI; 1 year; \$50K; ID: 202000034; with Helen Elizabeth Davis and Joseph Henrich)
- 2017 Templeton Religion Trust Grant for “The Database of Religious History: A Digital Humanities Approach to Religious Cultural History” (Co-I; 3 year; \$2.3M; ID: TRT0188; with Edward Slingerland)
- 2016 John Templeton Foundation Grant for “The Database of Religious History: Data Science Approaches to Religious Cultural History” (PI; 1 year; \$215K; ID: JTF60659; with Edward Slingerland)
- 2016 CGS/ProQuest Distinguished Dissertation Award in the Social Sciences – Top Social Science Dissertation in USA and Canada, Council of Graduate Schools (CGS)/ProQuest (1 award across all social sciences)
- 2016 PhD Dissertation Excellence Award, Canadian Psychological Association
- 2015 Visiting Fellowship, Harvard University (declined; \$32K)
- 2014 Social Sciences and Humanities Research Council of Canada (SSHRC): Storytellers Challenge Winner, Government of Canada
- 2013 Vanier Canada Graduate Scholarship, Government of Canada (Largest graduate fellowship in Canada; \$150K)
- 2012 Four Year Doctoral Fellowship (including Full Tuition Waiver), University of British Columbia (\$106K)

- 2012 Peer Review Challenge Runner up, Elsevier (Two runners up in worldwide competition; design for the future of scientific peer review process)
- 2012 Liu Scholar, Liu Institute for Global Issues
- 2011 Psychology Department Fellowship, University of British Columbia
- 2010 Graduate Entrance Fellowship, University of British Columbia
- 2010 Accenture Scholarship in Information Technology and Electrical Engineering for Final Year Student, Accenture Australia
- 2010 Commonwealth Education Costs Scholarship, Australian Federal Government
- 2009 National ICT Australia (NICTA) Honours Scholarship, National ICT Australia (NICTA)
- 2009 Commonwealth Education Costs Scholarship, Australian Federal Government
- 2008 Elsevier Grand Challenge Finalist, Elsevier (Four finalists in worldwide competition; developed software for dealing with the ever-increasing amount of online life sciences information)
- 2008 Commonwealth Education Costs Scholarship, Australian Federal Government
- 2004 Australian Students Prize for Excellence – Top 500 students in Australia, Australian Federal Government
- 2004 Dux of the College (Academic Valedictorian), Villanova College

Positions Held and Work Experience (see 'Service' below for unpaid positions)

- 2016 – Present **Assistant Professor**, Department of Psychological and Behavioural Science, London School of Economics and Political Science (LSE), UK
- 2016 – Present **Associate**, Department of Human Evolutionary Biology, Harvard University, USA
- 2016 – Present **Affiliate**, Developmental Economics Programme, STICERD, London School of Economics and Political Science (LSE), UK
- 2013 – Present **Technical Director**, Database of Religious History
- 2016 – 2018 **Affiliate**, Yale Applied Cooperation Team, Yale University, USA
- 2016 **Assistant Professor**, Department of Social Psychology, London School of Economics and Political Science (LSE), UK
- 2015 **Postdoctoral Fellow**, Department of Human Evolutionary Biology, Harvard University
- 2012 – 2015 **Statistical Consultant**, Department of Psychology, University of British Columbia, Canada
- 2012 **Teaching Fellow**, Department of Psychology, University of British Columbia, Canada
- 2010 – 2013 **Graduate Research Assistant**, Culture Cognition and Coevolution Lab, Department of Psychology, University of British Columbia, Canada
- 2010 – 2013 **Teaching Assistant**, Department of Psychology, University of British Columbia, Canada
- 2009 – 2010 **Software Engineer**, Queensland Research Laboratory, National ICT Australia (NICTA), Australia
- 2009 **Tutor (Teaching Fellow)**, Introduction to Human Computer Interaction course, University of Queensland, Australia
- 2008 – 2009 **Human Factors Consultant (external)**, Human Information Interaction, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

2008 – 2009	Software Engineer/Researcher , Human Information Interaction, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
2007 – 2008	Software Engineer , Cognitive Engineering Research Group, University of Queensland, Australia
2006 – 2008	IT Support Officer , Spinal Injuries Association, Australia
2006	IT Co-facilitator , Customs Brokers & Forwarders Council of Australia, Australia
2005 – 2006	Tutor , Tutoring Australasia, Australia
2005	IT Technician , Freehills Services, Australia

Publications

JOURNAL ARTICLES

Muthukrishna, M., Bell, A. V., Henrich, J., Curtin, C., Gedranovich, A., & Thue, B. (forthcoming). Beyond WEIRD Psychology: Measuring and Mapping Scales of Cultural and Psychological Distance. [related app: culturaldistance.com]. *Psychological Science*.

Slingerland, E., Monroe, M. W., Sullivan, B., Walsh, R. F., Veidlinger, D., Noseworthy, W., Herriott, C., Raffield, B., Peterson, J. L., Rodríguez, G., Sonik, K., Green, W., Tappenden, F. S., Ashtari, A., Spicer, R., & **Muthukrishna, M.** (forthcoming). Historians Respond to Whitehouse et al. 2019, Complex societies precede moralizing gods throughout world history. *Journal of Cognitive Historiography*.

Muthukrishna, M. (2019). Cultural Evolutionary Public Policy. *Nature Human Behaviour*.

Muthukrishna, M. & Schaller, M. (2019). Are Collectivistic Cultures More Prone to Rapid Transformation? Computational Models of Cross-Cultural Differences, Social Network Structure, Dynamic Social Influence, and Cultural Change. *Personality and Social Psychology Review*

Uchiyama, R. & **Muthukrishna, M.** (2019). Archetypes are a poor primitive for a theory of mental representations. *Psychological Inquiry*, 30(2), 87-92.

Muthukrishna, M. & Henrich, J. (2019). A Problem in Theory. *Nature Human Behaviour*, 3, 221-229.

Muthukrishna, M., Doebeli, M., Chudek, M., & Henrich, J. (2018). The Cultural Brain Hypothesis: How culture drives brain expansion, sociality, and life history. *PLOS Computational Biology*, 14(11): e1006504.

Muthukrishna, M., Henrich, J., Toyakawa, W., Hamamura, T., Kameda, T., & Heine, S. J. (2018). Overconfidence Is Universal? Elicitation of Genuine Overconfidence (EGO) Procedure Reveals Systematic Differences Across Domain, Task Knowledge, and Incentives in Four Populations. *PLOS One*, 13(8): e0202288.

Fox, K. C. R., **Muthukrishna, M. (equal first)**, & Shultz, S. (2017). The social and cultural

roots of whale and dolphin brains. *Nature Ecology and Evolution*, 1, 1699–1705.

- Muthukrishna, M.**, Francois, P., Pourahmadi, S., & Henrich, J. (2017). Corrupting Cooperation and How Anti-Corruption Strategies May Backfire. *Nature Human Behaviour*, 1(0138).
- Sullivan, B., **Muthukrishna, M.**, Tappenden, F. S., & Slingerland, E. (2017) Exploring the Challenges and Potentialities of the Database of Religious History for Cognitive Historiography. *Journal of Cognitive Historiography*, 3, 12-31.
- Henrich, J., Boyd, R., Derex, M., Kline, M. A., Mesoudi, A., **Muthukrishna, M.**, Powell, A., Shennan, S. J., Thomas, M. G. (2016) Understanding Cumulative Cultural Evolution. *Proceedings of the National Academy of Sciences*, 113, E6724-E6725.
- Vonder Haar, C., Lam, F. C. W., Adams, W. A., Riparip, L.-K., Kaur, S., **Muthukrishna, M.**, Rosi, S., & Winstanley, C. A. (2016). Frontal Traumatic Brain Injury in Rats Causes Long-Lasting Impairments in Impulse Control That Are Differentially Sensitive to Pharmacotherapeutics and Associated with Chronic Neuroinflammation. *ACS Chemical Neuroscience*, 7, 1531-1542.
- Shariff, A.F., Willard, A.K., **Muthukrishna, M.**, Kramer, S.R., & Henrich, J. (2016) What is the association between religious affiliation and children's altruism? *Current Biology*, 26, R699-R700.
- Levine, J. S., **Muthukrishna, M.**, Chan, K. M. A., & Satterfield, T. (2016). Sea otters, social justice, and ecosystem-service perceptions in Clayoquot Sound, Canada. *Conservation Biology*, 31(2), 1523-1739.
- Muthukrishna, M.** & Henrich, J. (2016). Innovation in the Collective Brain. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371(1690).
- Muthukrishna, M.**, Morgan, T. J. H., & Henrich, J. (2015). The When and Who of Social Learning and Conformist Transmission. *Evolution and Human Behavior*, 37(1), 10-20.
- Levine, J., **Muthukrishna, M.**, Chan, K. M. A., & Satterfield, T. (2015). Theories of the deep: combining salience and network analyses to produce mental model visualizations of a coastal British Columbia food web. *Ecology and Society*, 20(4).
- Muthukrishna, M.** & Schaller, M. (2014) Individual-Level Psychology and Group-Level Traits. *Behavioral and Brain Sciences*, 37(3), 265-266.
- Cole, B., & **Muthukrishna, M.** (2014). Nu-life: spontaneous dynamic hierarchical organization in a non-uniform life-like cellular automata. *Proceedings of the Companion Publication of the 2014 Annual Conference on Genetic and Evolutionary Computation*, 99-100. [Association for Computing Machinery (ACM) Conference]
- Muthukrishna, M.**, Shulman, B. W., Vasilescu, V., & Henrich, J. (2013). Sociality influences cultural complexity. *Proceedings of the Royal Society B: Biological Sciences*, 281(1774).
- Sanderson, P., Thompson, C., Thompson, M., Watson, M., **Muthukrishna, M.**, & Murphy,

S. (accepted pending revisions). Auditory alarm effectiveness: Evaluation of alternative alarm sets with anesthesiologists. *Anesthesia and Analgesia*.

Thompson, C., Sanderson, P., Watson, M., Thompson, M., **Muthukrishna, M.**, & Murphy, S. (2010). Testing auditory alarm effectiveness with three different alarms sets. *Anaesthesia and Intensive Care*, 38(4), 769-769.

Wan, S., Paris, C., **Muthukrishna, M.**, & Dale, R. (2009). Designing a citation-sensitive research tool: an initial study of browsing-specific information needs. *Proceedings of the 2009 Workshop on Text and Citation Analysis for Scholarly Digital Libraries*, 45-53. [Association for Computational Linguistics (ACL) Conference]

BOOK CHAPTERS

Uchiyama, R. & **Muthukrishna, M.** (forthcoming). Cultural Evolutionary Neuroscience. In *Oxford University Handbook of Cultural Neuroscience and Global Mental Health*. Edited by J. Y. Chiao, R. Turner, S-C Li, S. Y. Lee-Tauler, & B. A. Pringle.

Russell, C. & **Muthukrishna, M.** (2018) Dual Inheritance Theory. In *Encyclopedia of Evolutionary Psychological Science*. Edited by T. K. Shackelford & V. A. Weekes-Shackelford.

Chudek, M., **Muthukrishna, M.** & Henrich, J. (2015) Cultural Evolution. In *Handbook of Evolutionary Psychology, 2nd Edition*. Edited by D. M. Buss.

CONFERENCE TALKS

Awwad, Y. & **Muthukrishna, M.** (2019). How Concepts Emerge and Evolve: Quantifying the Collective Brain Using Wikipedia. Paper presented at *31st Annual Convention of the Association for Psychological Sciences (APS)*, Washington, DC, 23 – 26 May. [Part of symposium on “The Geography of Concepts: How Ideas Develop and Diverge across Cultures” organized by Kaidi Wu and David Dunning]

Spicer, R. & **Muthukrishna, M.** (2019). Analyzing and Visualizing the Database of Religious History - Comparing the Relationship Between Religions. Paper presented at *Digital Humanities and Classical Studies: Prospects and Challenges Workshop*, Berlin, Germany, 23 – 24 May.

Muthukrishna, M. (2018). The Evolution of Evil Eye Beliefs and Related Behaviors. Paper presented at *Cultural Evolution Society Conference 2018*, Tempe, AZ, 22 – 24 October.

Uchiyama, R. & **Muthukrishna, M.** (2018). General intelligence as an emergent product of cultural complexity: Explaining the Flynn Effect. Paper presented at *Cultural Evolution Society Conference 2018*, Tempe, AZ, 22 – 24 October.

Muthukrishna, M. (2018). Corruption, Cooperation, and the Evolution of Evil Eye. Paper presented at *30th annual meeting of the Human Behavior and Evolution Society*, Amsterdam, Netherlands, 4 – 7 July.

- Muthukrishna, M.** (2018). The Cultural Evolutionary Basis of Social Psychology. Paper presented at *Institute for Advanced Study in Toulouse (LAST) Workshop on The Origins of Our Moral and Political Ideologies and Preferences*, Toulouse, France, 11 – 15 June.
- Slingerland, E. & **Muthukrishna, M.** (2018). Durkheim with Data: The Database of Religious History. Paper presented at *Future Directions on the Evolution of Rituals, Beliefs, and Religious Minds*, Erice, Italy, 9 – 14 May.
- Muthukrishna, M.** (2017). Cultural Evolution of Economics: Cooperation, Corruption, Democracy, and Growth. Paper presented at *Inaugural Cultural Evolution Society Conference*, Jena, Germany, 12 – 15 September.
[Part of symposium on “Cultural Evolution and Economics”, which I organized as Chair]
- Li, X., **Muthukrishna, M.**, & Schimmelpfennig, R. (2017). Social Competition and Economic Consequences: Theory and Experiment. Paper presented by Li (student) at *Inaugural Cultural Evolution Society Conference*, Jena, Germany, 12 – 15 September.
- Uchiyama, R. & **Muthukrishna, M.** (2017). Testing the Cultural Brain Hypothesis. Paper presented by Uchiyama (student) at *Inaugural Cultural Evolution Society Conference*, Jena, Germany, 12 – 15 September.
- Muthukrishna, M.** (2017). “Culturlytics”: Exploring Cultural Differences and Cultural Distance. Paper presented at *Learning Innovations Laboratory (LILA) Summit*, Harvard Graduate School of Education, Harvard University, MA, 1 June.
- Muthukrishna, M.** (2017). Economic Psychology and the Science of Cultural Evolution. Paper [Keynote] presented at *Trusting and the Law Lorentz Center Workshop*, Leiden, Netherlands, 16 – 20 January.
- Muthukrishna, M.** (2016). Innovation in the Collective Brain: The Transmission and Evolution of Norms and Culture. Paper presented at *Cultural Transmission and Social Norms Workshop*, School of Economics, University of East Anglia, Norwich, UK, 15 – 17 December.
- Muthukrishna, M.** (2016). The Cultural Brain Hypothesis & Information Grandmother Hypothesis: How culture drives brain expansion and alters life history. Paper presented at *Joint Meeting of GDR multi-organismes - Longévité et vieillissements and GDRI-PhyGHA - Physiology and Genetics of Healthy Aging*, Grande Galerie de l'Évolution, National Museum of Natural History, Paris, France, 27 – 28 October.
- Muthukrishna, M.** (2016). The Paradox of Diversity, Migration, and Cultural Evolution in Europe. Paper presented at the *Society for the Psychological Study of Social Issues (SPSSI-UK) Symposium on “The Current Migration Crisis in Europe”*, Cardiff, UK. 30 – 31 August.
- Muthukrishna, M.** (2016). Innovation in the Collective Brain. Paper presented at the *Culture Conference*, Birmingham, UK. 9 – 10 July.

Slingerland, E., Toleno, R., **Muthukrishna, M.**, & Sullivan, B. (2016). The Database of Religious History: An Expert-Based Approach to Documenting the Religious Historical Record. Paper presented at the *Religion, Ritual, Conflict, and Cooperation: Archaeological and Historical Approaches*, Center for Advanced Study in the Behavioral Sciences, Stanford, CA. 29 – 30 April.

Muthukrishna, M. (2016). An Analysis of Big History Data: The Evolution of Religious Cognition and Behavior. Paper presented at the *17th annual meeting of the Society for Personality and Social Psychology*, San Diego, CA. 28-30 January.
[Part of symposium on “Understanding Religions: Integrating Experimental, Ethnographic and Historical Approaches”, which I organized as Chair]

Muthukrishna, M. & Logan, C. (2015). Studying Religion in the Digital Age: Technical Challenges and Solutions in Constructing the Database of Religious History. Paper presented at the *XXI World Congress of the International Association for the History of Religions*, Erfurt, Germany. 23 – 29 August.

Muthukrishna, M. (2015). Cultural History Database Initiative & Database of Religious History Technical Update. Paper presented at the *Cultural Evolution of Religious Research Consortium Plenary*, Montreal, Canada. 8 – 10 May.

Muthukrishna, M., Chudek, M., & Henrich, J. (2014). Cultural Brain Hypothesis: Explaining the evolution of the brain and relationships between brain size, group size, cultural complexity, social learning, mating structures, and the juvenile period. Paper presented at the *26th annual meeting of the Human Behavior and Evolution Society*, Natal, Brazil. 30 August - 2 September.

Sullivan, B., Tappenden, F., **Muthukrishna, M.**, Logan, C., & Slingerland, E. (2014). A Large Database Approach to Cultural History. Paper presented at *Digital Humanities 2014*, Lausanne, Switzerland. 7-12 July.

Muthukrishna, M. & Levine, J. (2014). The Database of Religious History. Paper presented at the *Congress 2014 of the Humanities and Social Sciences*, St Catharines, ON. 24-30 May.

Muthukrishna, M. & Schaller, M. (2014). Generating scale-free small-world networks: a novel algorithm based on insights from psychology. Paper presented at the *Dynamical Systems and Computational Modeling in Social Psychology Preconference of 15th annual meeting of the Society for Personality and Social Psychology*, Austin, TX. 13-15 January.

Schaller, M. & **Muthukrishna, M.** (2014). The Behavioral Immune System and the Dynamics of Influence within Social Networks (with Implications for Cultural Evolution). Paper presented at the *15th annual meeting of the Society for Personality and Social Psychology*, Austin, TX. 13-15 January.

Muthukrishna, M., Shulman, B. W., Vasilescu, V., & Henrich, J. (2013). Cumulative Culture in the Laboratory: you need more models, if the task is hard. Paper presented at the *25th annual meeting of the Human Behavior and Evolution Society*, Miami

Beach, FL. 17-20 July.

CONFERENCE PAPERS

- Cole, B. & **Muthukrishna, M.** (2014). Nu-life: Spontaneous Dynamic Hierarchical Organization in a Non-uniform “Life-like” Cellular Automata. *Genetic and Evolutionary Computation Conference (ACM SIGEVO)*. Vancouver: 12-16 July.
- Wan, S., Paris, C., **Muthukrishna, M.**, & Dale, R. (2009). Designing a Citation-Sensitive Research Tool: An Initial Study of Browsing-Specific Information Needs. *Proceedings of the 2009 Workshop on Text and Citation Analysis for Scholarly Digital Libraries*. Singapore: 6-7 August.

CONFERENCE POSTERS

- Uchiyama, R. & **Muthukrishna, M.** (2018) Testing the Cultural Brain Hypothesis using phylogenetic path analysis. Poster presented at the *Early-career Social Learning Researchers Workshop*, University of St Andrews, Scotland. 21-22 June.
- Muthukrishna, M.** & Henrich, J. (2013) Cumulative Culture in the Laboratory: More Models are Better if the Task is Hard. Poster presented at the *14th annual meeting of the Society for Personality and Social Psychology*, New Orleans, LA. 17-19 January.
- Muthukrishna, M.** & Henrich, J. (2012) Brain-Culture Coevolution: Facilitating Factors in the Autocatalytic Evolution of Cultural Complexity and Brain Size. Poster presented at the *24th annual meeting of the Human Behavior and Evolution Society*, Albuquerque, NM. 13-17 June.
- Muthukrishna, M.** & Henrich, J. (2012) Brain-Culture Coevolution: Explaining the Expansion of the Human Brain During the Pleistocene. Poster presented at the *Evolutionary Preconference at the 13th annual meeting of the Society for Personality and Social Psychology*, San Diego, CA. 26-28 January.
- Thompson, C., Sanderson, P., Watson, M., Thompson, M., **Muthukrishna, M.** & Murphy, S. (2010). Testing auditory alarm effectiveness with three different alarms sets. Poster presented at the *Australian and New Zealand College of Anaesthetists and Faculty of Pain Medicine Annual Scientific Meeting (ANZCA ASM 2010)*, Christchurch, New Zealand. 12-16 May.

THESES

- Muthukrishna, M.** (2015). The Cultural Brain Hypothesis and the Transmission and Evolution of Culture. *Unpublished PhD Thesis*, University of British Columbia, Vancouver, Canada
[Awarded Canadian Psychological Society Excellence Award]
[Awarded CGS/ProQuest Distinguished Dissertation in Social Sciences – top social science dissertation in USA and Canada]
- Muthukrishna, M.** (2012). What do we learn from whom? An ingroup bias for subjective

information and its implications for culture. *Unpublished Master's Thesis*, University of British Columbia, Vancouver, Canada

Muthukrishna, M. (2010) Modeling a Smart Home: Prospective Evaluation of Smart Domestic Technologies. *Unpublished Honours Thesis*, University of Queensland, Brisbane, Australia

Other Awards, Fellowships, and Grants (those not listed above under 'Major')

- 2019 LSE Research Committee Research Infrastructure and Investment Fund (RIIF) Seed Grant "Prosocial and anti-social behavior under zero-sum competition and strength of property rights" (PI; 1 year; £18,625K, sole)
- 2019 LSE Learning Technology and Innovation (LTI) Spark! Grant for "Collaborating with Students to Create Live and Interactive Course Notes" (PI; 1 year; £6K, sole)
- 2018 LSE Commercialisation Seedcorn Funding for "Culturalytics" (PI; £25K, sole)
- 2018 LSE Learning Technology and Innovation (LTI) Spark! Grant for "Collaborating with Students to Create Live and Interactive Course Notes" (PI; 1 year; £6K, sole)
- 2017 National Science Foundation (NSF) grant for "The Development of Teaching and Social Learning Across Cultures" (Collaborator and Advisor; 3.5 years; \$905,631; 8 people; ID: OSP 201604149-001; PI: Cristine Legare)
- 2016 Suntory and Toyota International Centres for Economics and Related Disciplines (STICERD) Small Grant, for "Quantifying Cultural Distance with World Values Survey and Fixation Index (F_{ST})" (PI; 1 year; £5K; sole)
- 2015 International Partial Tuition Scholarship, University of British Columbia
- 2014 International Partial Tuition Scholarship, University of British Columbia
- 2013 International Partial Tuition Scholarship, University of British Columbia
- 2012 International Partial Tuition Scholarship, University of British Columbia
- 2011 International Partial Tuition Scholarship, University of British Columbia
- 2010 International Partial Tuition Scholarship, University of British Columbia
- 2010 Dean's Commendation for High Achievement, University of Queensland
- 2010 Social and Behavioral Sciences Deans Scholar, University of Queensland
- 2009 Dean's Commendation for High Achievement, University of Queensland
- 2009 Social and Behavioral Sciences Deans Scholar, University of Queensland
- 2008 Dean's Commendation for High Achievement, University of Queensland
- 2008 Social and Behavioral Sciences Deans Scholar, University of Queensland
- 2007 Dean's Commendation for High Achievement, University of Queensland
- 2007 Social and Behavioral Sciences Deans Scholar, University of Queensland
- 2006 Dean's Commendation for High Achievement, University of Queensland
- 2006 Social and Behavioral Sciences Deans Scholar, University of Queensland
- 2005 Dean's Commendation for High Achievement, University of Queensland
- 2005 Social and Behavioral Sciences Deans Scholar, University of Queensland

Invited Lectures and Colloquia

Culture Evolving and Scales of Cooperation Competing. Invited presentation at Centre for Competitive Advantage in the Global Economy (CAGE) at University of Warwick,

Warwick, UK, June 28, 2019.

Current state of the Database of Religious History. Invited presentation at inaugural board meeting of the Database of Religious History Foundation at Harvard University, Cambridge, MA, May 2, 2019.

Beyond WEIRD Psychology and toward an understanding of evil eye and differences in economic productivity. Invited presentation at workshop series at LEVYNA, Brno, Czechia, April 5, 2019.

A Theory of Human Behavior? What would it look like and what would it offer?. Invited presentation at public lecture series at LEVYNA, Brno, Czechia, April 4, 2019.

Beyond WEIRD Psychology: Measuring and Mapping Scales of Cultural and Psychological Distance. Invited presentation at University of Economics, Prague, Czechia, February 28, 2019.

Beyond WEIRD Psychology: Measuring and Mapping Scales of Cultural and Psychological Distance. Invited presentation at City University, London, UK, February 20, 2019.

Hunter-gatherer egalitarianism and the evolution of evil eye beliefs. Invited presentation at Biological Anthropology seminar series at University College London (UCL), London, UK, January 29, 2019.

War. Invited panelist at Forum for Philosophy, London, UK, January 15, 2019.

A theory of human behavior? What would it look like and what would it offer?. Invited presentation at University of Queensland, Brisbane, Australia, December 17, 2018.

Cultural Evolution and the Measurement of Culture. Invited presentation at Monash University, Melbourne, Australia, December 14, 2018.

Cultural Brain Hypothesis & Cumulative Cultural Brain Hypothesis. Invited presentation at Life History and Learning Workshop at UC Berkeley, Berkeley, CA, October 26 – 28, 2018.

Corruption, Cooperation, & the Evolution of Prosocial Institutions. Invited presentation at Canadian Institute for Advanced Research (CIFAR) Institutions, Organizations and Growth Program Meeting, London, UK, June 29-July 1, 2018.

The Evolution of Norms and Norm Psychology. Invited presentation at Bridging Theory and Practice (Media and Social Norms) meeting, London, UK, May 22, 2018.

Corruption, Competition & the Evolution of Prosocial Institutions. Invited presentation at Cooperation for Exploitation workshop at WU (Vienna University of Economics and Business), Vienna, Austria, May 18, 2018.

Corruption, Competition & the Evolution of Prosocial Institutions. Invited presentation at LSE-Stanford-Universidad de los Andes Conference on Long-Run Development in Latin America, London, UK, May 16, 2018.

The Science of Generosity. Invited panelist at Voices Off, The Old Vic, London, UK, December 14, 2017.

Corruption, Competition & Scales of Cooperation: Corruption is Rooted in Our Relationships. Invited presentation at Centre for Experimental Social Sciences (CESS) Nuffield Seminar Series, Oxford University, Oxford, UK, November 8, 2017.

Trust & Competition Discussion: Cultural-Group Selection & Competing Scales of Cooperation. Invited presentation [discussant], Patrick Francois talk on “The Origins of Human Pro-Sociality: A Test of Cultural Group Selection on Economic Data and in the Laboratory” at Economics of Social Sector Organisations Conference, Marshall Institute, London School of Economics and Political Science, London, UK, September 22, 2017.

Quick Introduction to Cultural Evolution. Co-organized workshop with Alex (Sandy) Pentland, MIT Media Lab, Massachusetts Institute of Technology and Joseph Henrich, Department of Human Evolutionary Biology, Harvard University, MIT & Harvard University, Cambridge, MA, July 25, 2017.

Cultural Evolution and the Collective Brain. Invited presentation at Cultural Evolution Seminar Series, University of Tartu, Tartu, Estonia, March 9, 2017.

Cultural Evolution and the Collective Brain. Invited presentation at Evolutionary Demography Group Seminar Series, London School of Hygiene and Tropical Medicine, London, UK, February 28, 2017.

Cultural Evolution and the Collective Brain. Invited presentation at LSE SU Neuroscience in the Social Sciences Society, London School of Economics, London, UK, January 17, 2017.

An Introduction to Cultural Evolution. Invited presentation at Behavioral Science Seminar Series, London School of Economics, London, UK, January 15, 2017.

Economic Psychology and the Science of Cultural Evolution. Invited presentation at Trusting and the Law Lorentz Center Workshop, Leiden, Netherlands, January 19, 2017.

Innovation in the Collective Brain: The Transmission and Evolution of Norms and Culture. Invited presentation at Cultural Transmission and Social Norms Workshop, School of Economics, University of East Anglia, Norwich, UK, December 15, 2016.

The Cultural Brain Hypothesis and the Transmission and Evolution of Culture. Invited presentation at Council of Graduate Schools (CGS) Annual Meeting Awards Lunch, Council of Graduate Schools (CGS), Washington DC, USA, December 8, 2016.

The Cultural Brain Hypothesis & Information Grandmother Hypothesis: How culture drives brain expansion and alters life history. Invited presentation at Joint Meeting of GDR multi-organismes - Longévité et vieillissements and GDRI- PhyGHA - Physiology and Genetics of Healthy Aging, Grande Galerie de l'Évolution, National Museum of Natural History, Paris, France, October 27, 2016

Sources of Innovation: The Secret of Human Success. Invited presentation at Project Zero -

Learning Innovations Laboratory (LILA) Annual Gathering, Harvard Graduate School of Education, Harvard University, MA, October 20, 2016

The Science of Cultural Evolution: What Makes Humans So Different. Invited presentation [keynote] at Learning Innovations Laboratory (LILA) Annual Gathering, Harvard Graduate School of Education, Harvard University, MA, October 19, 2016

Cultural Brain Hypothesis. Invited presentation at HEB Seminar Series, Department of Human Evolutionary Biology, Harvard University, MA, October 20, 2015

Database of Religious History: A statistically analyzable historical database. Invited presentation at Statistics Seminar Series, Department of Statistics, University of British Columbia, Canada, February 10, 2015

Cultural Brain Hypothesis: The evolution of large brains and the rise of a cultural species. Invited presentation at Evolution of Social Complexity Colloquia, School of Human Evolution and Social Change / Institute of Human Origins / Consortium of Biosocial Complex Systems, Arizona State University, AZ, February 4, 2015

The Cultural Brain Hypothesis, Cultural Evolution, and Human Social Networks. Invited presentation at Anthropology Colloquium Series, Department of Anthropology, Stanford University, CA, January 30, 2015

Database of Religious History. Invited presentation at Impact Awards, Social Sciences and Humanities Research Council (SSHRC), Canada, November 3, 2014

Cultural Brain Hypothesis: Explaining the evolution of the brain and relationships between brain size, group size, cultural complexity, social learning, mating structures, and the juvenile period. Invited presentation at School of Biology, University of St Andrews, Scotland, July 16, 2014

Evolutionary approaches to studying culture: Sociality influences cultural complexity. Invited presentation at Department of Psychology, The University of Queensland, Australia, May 14, 2014

Database of Religious History. Invited presentation at Facilitated Interdisciplinary Research Exchange (FIRE) talks, University of British Columbia, Canada, April 23, 2014

Sociality influences cultural complexity. Invited presentation at Department of Behavioral Science, Hokkaido University, Japan, November 21, 2013

Evolutionary approaches to studying culture: Sociality influences cultural complexity. Invited presentation at Department of Psychology, Chinese University of Hong Kong, Hong Kong, May 12, 2013

Multiculturalism and Models of Culture. Invited presentation at the Futures of Change: Equity, Diversity and Intercultural Understanding Colloquium, University of British Columbia Deans' Lecture Series on Equity Diversity and Intercultural Understanding, University of British Columbia, Canada, April 5, 2012

Modelling a Smart Home: Prospective Evaluation of Smart Domestic Technologies. Invited

presentation at Brown Bag Series, Department of Psychology, Wright State University, OH, January 7, 2010

Human Factors: Not just Human Computer Interaction. Invited presentation at Human Factors and Ergonomic Society –Student Chapter, University of Queensland, Australia, August 12, 2010

Teaching Experience

LECTURER

2019	Consumer Psychology (MSc) , Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
2018 - 2019	Foundations of Psychological Science (1st year) , Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
2018	Markets, Motivation, and Welfare (2nd year; guest lecture) , Department of Economics, London School of Economics and Political Science, UK
2018	Socio-Spatial Dynamics Summer College , Regional Studies Association (RSA) and CRENoS (Centre for North South Economic Research), Università di Cagliari, Italy
2018	Corporate Communications (MSc; co-taught) , Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
2016 - 2017	Foundations of Psychological Science (1st year; Designed new course) , Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
2016	Psychology of Economic Life (MSc; co-taught) , Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
2016	Societal Psychology (MSc; co-taught) , Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
2016	Organisational & Social Decision-making (MSc; co-taught) , Department of Social Psychology, London School of Economics and Political Science, UK
2016	Consumer Psychology (MSc; co-taught) , Department of Social Psychology, London School of Economics and Political Science, UK

CURRICULUM DEVELOPMENT

2019	Consumer Psychology (MSc level; Designed new course) , Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
2017 - Present	CORE ECON (Contributor) , An open-access platform for anyone who wants to understand the economics of innovation, inequality,

- environmental sustainability, and more. www.core-econ.org
- 2017 - Present **BSc in Psychological and Behavioural Science (Part of 3 person team designing a new undergraduate program, including statistics stream)**, Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
- 2016 **Foundations of Psychological Science (1st year; Designed new course)**, Department of Psychological and Behavioural Science, London School of Economics and Political Science, UK
- 2014 **NESCent Catalysis Meeting: Developing Best Practices for Teaching Evolution in the Social Sciences**, National Evolutionary Synthesis Center (NESCent), Durham, NC

TEACHING FELLOW (TAUGHT CLASSES)

- 2013 **Cultural Psychology (3rd year; Guest Lecture)**, Department of Psychology, University of British Columbia, Canada
- 2012 **Research Methods (2nd year; Taught Weekly Class)**, Department of Psychology, University of British Columbia, Canada
- 2010 **Social Psychology (3rd year; Guest Lecture)**, Department of Psychology, University of British Columbia, Canada
- 2009 **Human Computer Interaction (2nd year; Taught Weekly Classes)**, Department of Psychology, University of Queensland, Australia

TEACHING ASSISTANT

- 2011 **Cultural Psychology (3rd year)**, Department of Psychology, University of British Columbia, Canada
- 2011, 2010 **Social Psychology (3rd year)**, Department of Psychology, University of British Columbia, Canada
- 2013, 2012, 2010 **Introductory Psychology (1st year)**, Department of Psychology, University of British Columbia, Canada

Completed (2017) Postgraduate Certificate in Higher Education, London School of Economics and Political Science (LSE); accredited by UK Higher Education Academy (HEA)

Supervision

POSTDOCTORAL FELLOWS

- 2018 Rachel Spicer
Helen Davis (co-supervised with Dr Joseph Henrich)

PHDs

- 2019 Max Winkler (visiting PhD student)
- 2017-present Ryutaro Uchiyama
Tommaso Batistoni (as visiting PhD student; co-supervised with Dr Nichola Raihani)
- 2017-2018 Xueheng Li (as PhD student collaborator)

UNDERGRADUATES

2018	Ojasvi Goel, Rachel Service, John Tringham
2017	Emma Carta, Ojasvi Goel, Rachel Service, John Tringham
2015	Braden Thue
2014	Negah Mortazavi (co-supervisory role with Dr Steven J Heine, 2014) Peter Senften (co-supervisory role with Dr Joseph Henrich, 2014) Sarah MacDonald (co-supervisory role with Dr Steven J Heine, 2014) Shayan Pourahmadi (co-supervisory role with Dr Joseph Henrich & Dr Patrick Francois, 2014)
2013	Marianna Pereira (co-supervisory role with Dr Joseph Henrich, 2013)
2012	Ben Shulman (co-supervisory role with Dr Joseph Henrich, 2012) Vlad Vasilescu (co-supervisory role with Dr Joseph Henrich, 2012)
2011	James Wai Chuen Loke (co-supervisory role with Dr Joseph Henrich, 2011)

Completed (2011) Graduate Mentorship Certificate Program, Psychology Department,
University of British Columbia

Consulting

2019	FlagItUp (British Government Anti-Corruption Campaign)
2019	10 Downing Street (British Government)
2018	Ditchley Foundation
2018	MoneySupermarket
2017	Wall to Wall Television
2017	PBS
2017	BBC

Service (Unpaid)

2019	Board Member , One Pencil Project (501(c)(3) education non-profit serving Africa and South America
2019	Founding Member , International Cultural Neuroscience Society
2019	LSE Research and Innovation: Head of Innovation Selection Committee , Part of selection committee to hire the newly created Head of Innovation position for LSE Research and Innovation. This is a school-level position in charge of building and lead a new team dedicated to research commercialisation and developing a commercialisation ecosystem at LSE.
2018 – 2019	LSE Knowledge Exchange and Impact Strategy Group (KEISG) , Subcommittee of Research Committee, responsible for award allocation

- from the School's HEIF allocation (Higher Education Innovation Fund), itself intended to support and develop knowledge-based interactions between universities and the wider world, resulting in economic and social benefit to the UK. Includes: Pro Director for Research; Director of Research Division.
- 2018 – 2019 **LSE Research Commercialization Group**, Part of 8-10 person team strategizing LSE commercialization activity. Includes: Pro Director for Research; Director of Research Division.
- 2018 – 2019 **Department Service:**
 Committee designing a new BSc program (4 person); Specific focus on designing statistics curriculum.
 Chair of Student Staff Liaison Committee (SSLC)
 Member of Teaching Committee
 Coordinator for Department Seminar Series (2 person)
 Hiring Committee for professorial position
- 2018 **Planning Committee**, Cultural Evolution Society Conference 2018 at Arizona State University, AZ, USA. Part of 8 person team.
- 2018 **LSE CHOICE core lecture**. LSE CHOICE gives talented young people from London state schools and colleges the tools they need to successfully apply to LSE and other highly selective universities.
- 2018 **LSE Undergraduate Open Day video**
 Faculty appearance for LSE undergraduate open day video
- 2018 **LSE Festival – Beveridge 2.0 video**
 Pitch for Equity as LSE Festival Missing Giant (voted second)
- 2017 – 2018 **Department Service:**
 Committee designing a new BSc program (4 person); Specific focus on designing statistics curriculum.
 Appearance in BSc promotional video.
- 2017 **LSE Learning Technology and Innovation (LTI) Case studies**
 Blog assessment case study
 Wikipedia editing assessment case study
- 2017 **Discussant**, Lecture by Patrick Francois on “Trust and Competition: Panel and Experimental Evidence”, Economics of Social Sector Organisations Conference, Marshall Institute, London School of Economics and Political Science (LSE), United Kingdom
- 2016 - 2018 **Committee Member**, LSE Behavioral Science Steering Committee (part of university-wide 10 person team developing Behavioral Science Initiative at LSE), London School of Economics and Political Science (LSE), United Kingdom
- 2016 - 2017 **Department Service:**
 Committee designing a new BSc program (3 person)
 Coordinator for creation of new Psychological and Behavioral Science Department Hub (sole)
 Coordinator for Department Seminar Series (sole)
 Communications Committee (6 person).
- 2017 **Chair**, Public Lecture by Samuel Bowles on “The Moral Economy: why good incentives are no substitute for good citizens”, London School of Economics and Political Science (LSE), United Kingdom

2016	Chair , Public Lecture by Angela Duckworth on “Grit. The Power of Passion and Perseverance”, London School of Economics and Political Science (LSE), United Kingdom
2016	Discussant , Public Lecture by Richard Nisbett on “Culture and Intelligence”, London School of Economics and Political Science (LSE), United Kingdom
2015	Judge , Social Sciences and Humanities Research Council of Canada (SSHRC): Storytellers Challenge, Government of Canada
2015	Public Speaking Workshop (Developed and Conducted) , Psychology Department, University of British Columbia, Canada
2013	Judge , Psychology Undergraduate Research Conference (PURC), University of British Columbia, Canada
2013	Public Speaking Workshop (Developed and Conducted) , Psychology Department, University of British Columbia, Canada
2012 – 2013	Planning Committee - Registration Coordinator , Student Leadership Conference, University of British Columbia, Canada
2012 – 2013	Mentorship Training Facilitator , Psychology Department, University of British Columbia, Canada
2012	Judge , Engineering and Computer Science Division, Greater Vancouver Regional Science Fair, Canada
2012	Adjudicator , Multidisciplinary Undergraduate Research Conference (MURC), University of British Columbia, Canada
2011 – 2012	Social and Personality Workshop Committee Co-Chair , Department of Psychology, University of British Columbia, Canada
2008	President , Information Technology and Electrical Engineering (ITEE) On Campus Alumni (OCA) Subchapter, University of Queensland, Australia
2005 – 2006	Debating Adjudicator , Queensland Debating Union, Australia

Major Software

As a Software Engineer, I use whatever language is best suited to the task. However, I am fluent in Java, C, C++, Python, and R and have experience with Lisp, Matlab, and Mathematica.

These are some of the major software projects I have worked on:

2017 – Present	Cultural Distance (e.g. culturaldistance.com) Role: Project Director R Shiny web application for calculating and visualizing cultural distance and cultural differences between countries based on large-scale surveys of cultural values (e.g. World Values Survey).
2013 – Present	Space-Time Database Platform (e.g. Database of Religious History) Role: Technical Director Python Django web application to manage entering and viewing historical data, where every variable is situated in space (GIS) and time (time range).
2012 – 2013	Conference Registration Platform (e.g. register.slc.ubc.ca) Role: Sole developer Python Django web application to manage all aspects of conference registration and session sign up

- 2009 – 2010 **OpenSHAPA [also forked as DataVyu]**
 Role: Co-developer (team of 5)
 Open source tool for exploratory sequential data analysis.
- 2009 – 2010 **UISpec4J**
 Role: Contributor
 Open source Java UI testing framework.
- 2008 – 2009 **CSIRO In-Browser Elaborative Summariser (IBES)**
 Role: Co-developer (team of 3)
 Uses natural language processing algorithm to generate contextual summary of Wikipedia links.
- 2007 – 2008 **Application Delivery System**
 Role: Sole developer
 System silently installs all necessary applications from server, removes access to unauthorized applications and changes relevant system settings based on Active Directory groups on user log in.

Media Coverage

PRINT/ONLINE COVERAGE AND INTERVIEWS

Nature, Science, The Guardian, The Times, The Telegraph, Scientific American, Newsweek, New York Magazine, The Age, Sydney Morning Herald, Quartz, Today, Ars Technica, Vice, Kurzweil AI, Cosmopolitan, Daily Mail, Focus Magazine, Folha de S.Paulo, The Statesman, DennikN, Evonomics, Money Supermarket UK, LSE Business Review, Stigler Center University of Chicago Booth School of Business Blog.

TV/RADIO INTERVIEWS AND APPEARANCES

BBC World News, Sky News, BBC Radio, GlobalTV, CBC Radio, CKNW, PBS

Reviewer

GENERAL SCIENCE

Behavioral and Brain Sciences

Nature

Nature Human Behaviour

Philosophical Transactions of the Royal Society B: Biological Sciences

Proceedings of National Academy of Sciences (PNAS)

Proceedings of the Royal Society B: Biological Sciences

PLOS ONE

Royal Society Open Science

SPECIALIST JOURNALS – ANTHROPOLOGY, BIOLOGY, ECONOMICS, PSYCHOLOGY, SOCIOLOGY

American Anthropologist
Archaeological and Anthropological Sciences
Behavioral Ecology and Sociobiology
Cognition
Cognitive Science
Ecology and Evolution
Economics of Innovation and New Technology
Evolution and Human Behavior (Editorial Board)
Evolutionary Biology
Evolutionary Psychological Science
Human Nature
International Review of Economics
Journal of Artificial Societies and Social Simulation
Journal of Comparative Psychology
Journal of Institutional Economics
Journal of Personality and Social Psychology
Journal of Theoretical Biology
Journal of Theoretical Population Biology
Personality and Social Psychology Review
PLOS Computational Biology
Psychological Science
Social Psychological and Personality Science (Editorial Board)
Sociological Theory

GRANTS

Biotechnology and Biological Sciences Research Council (BBSRC) UK
Economic and Social Research Council (ESRC)
John Templeton Foundation (JTF)

Human Frontier Science Program (HFSP)

United Kingdom Research and Innovation (UKRI)