

Katherine L. Bryant, PhD

Postdoctoral Researcher
Institute for Language, Communication, and the Brain
Aix-Marseille Université
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RESEARCH INTERESTS

I am an evolutionary neuroanatomist with interdisciplinary training in biological anthropology, molecular phylogenetics, and gender studies. My research examines the white matter organization and development of human and non-human primate brains to characterize evolutionary modifications in the primate lineage.

EDUCATION

15/12/2015 | PhD, Neuroscience, Emory University, Atlanta, GA, USA. Dissertation: *Evolutionary Specializations of Human & Chimpanzee Cortical Organization*. Advisor: Todd Preuss.

2007 | MSc, Environmental Science & Policy, George Mason University, Fairfax, VA, USA. Thesis: *Genetic Structure & Phylogeography of the Fox Squirrel, *Sciurus niger**. Advisor: Cody Edwards.

2002 | BSc, Biology; French minor, College of William & Mary, Williamsburg, VA, USA.

GRANTS

Postdoctoral Fellowship, Institute for Language, Communication, and the Brain. €72,000. *The Ontogenetic and Phylogenetic Foundations of the Linguistic Brain*. 10/2023-10/2025.

Marie Skłodowska-Curie Individual Fellowship (#750026). €165,598.80. *Does the temporal cortex make humans special? What comparing the human and great ape brains can tell us about cognitive evolution*. 9/2017-9/2019.

Lorentz Center Scientific Workshop Grant. (#18141@Oort). €8000. *Neurogenderings V Conference: Intersectional Analysis of the Sexed/Gendered Brain*. Co-organizers: Annelies Kleinherenbrink, Hannah Fitsch, Anelis Kaiser, Mal Pool. Conference date: 3/2020.

National Science Foundation (#1631563). \$970,704.00. *Individual Variation, Plasticity, and Learning in Human Brain Evolution*. Postdoctoral Fellow (PI: Erin Hecht). 8/2016-8/2019.

WORK HISTORY

01/10/2023-present: Postdoctoral Fellow, Institute for Language, Communication & the Brain, Centre Nationale de la Recherche Scientifique, Université Aix-Marseille, Marseille, France. PIs: Olivier Coulon, Adrien Meguerditchian.

01/05/2022-30/09/2023: Postdoctoral Researcher, Laboratoire de psychologie cognitive, Université Aix-Marseille, Marseille, France. PI: Adrien Meguerditchian.

01/09/2019-28/02/2022: Postdoctoral Researcher in Comparative Neuroimaging, Wellcome Centre for Integrative Neuroimaging, University of Oxford, Oxford, UK. PI: Rogier Mars.

01/09/2017-31/08/2019: Marie Skłodowska-Curie Fellow, Donders Institute for Brain, Behaviour, and Cognition, Radboud University, Nijmegen, NL. PI: Rogier Mars.

01/10/2016-01/08/2017: Postdoctoral Fellow, Laboratory for Paleolithic Technology, Department of Anthropology, Emory University, Atlanta, USA. PI: Dietrich Stout.

01/02/2016-30/06/2016: Postdoctoral Fellow, Emory Primate Research Center, Atlanta, USA. PI: Todd Preuss.

PUBLICATIONS

Folloni D, Roumazeilles L, **Bryant KL**, Manger PR, Bertelsen MF, Khrapitchev AA, Verhagen L, Rudebeck PH, Mars RB (in review with Nature Communications). Limbic-prefrontal connectome across the primate order: comparison of connections, conservation and implications for translational medicine. Preprint: <https://www.biorxiv.org/content/10.1101/2024.03.06.583735v1>

Assimopoulos S, Warrington S, Pszczolkowski S, **Bryant KL**, Jbabdi S, Mars RB, Sotiropoulos SN (accepted to Brain Structure and Function). *Generalising XTRACT tractography protocol across common macaque brain templates*.

Parks AN, **Bryant KL**, Rankin EK, Smaers JB, Hecht EE (under review with Brain Structure and Function). *Segmentation and morphometric MRI atlas of the chimpanzee cerebellum*.

Picó-Pérez M, Ábalos Marcos E, Thurston L, Ambrosi V, Genon S, **Bryant KL**, Bélen Martínez A, Ciccia L, Kaiser Trujillo A. 2024. Brain Structure and Function. *Researchers' sex/gender identity influences how sex/gender question is investigated in neuroscience: An example from an OHBM meeting*. doi.org/10.1007/s00429-023-02750-8.

Bryant KL, Hansen C, Hecht EE. 2023. *Fermentation technology as a driver of human brain expansion*. Communications Biology 6:1190. doi.org/10.1038/s42003-023-05517-3.

Bryant KL, Manger PR, Bertelsen MF, Khrapitchev AA, Sallet J, Benn RA, Mars RB. 2023. *A map of white matter tracts in a lesser ape, the lar gibbon*. Brain Structure and Function 1-16. doi.org/10.1007/s00429-023-02709-9

Sierpowska J*, **Bryant KL*** Janssen N, Blazquez Freches G, Römkens M, Mangnus M, Mars RB, Piai V. 2022. *Comparing human and chimpanzee temporal lobe neuroanatomy reveals modifications to human language hubs beyond the frontotemporal arcuate fascicle*. PNAS 119, e2118295119. doi.org/10.1073/pnas.2118295119 *co-first authorship

Tendler BC, Hanayik T, Ansorge O, Berns GS, Bertelsen MF, **Bryant KL**, Foxley S, Howard AFD, Huszar I, Khrapitchev AA, Manger PR, Menke RAL, Mollink J, Mortimer D, Pallegage-Gamarallage M, Roumazeilles L, Sallet J, Scott C, Smart A, Turner MR, Wang C, Jbabdi S, Mars RB, Miller KL. 2022. *The Digital Brain Bank: an open access platform for post-mortem datasets*. eLife 11:e73153. doi.org/10.7554/eLife.73153

Roumazeilles R, Lange FJ, R. Benn A, Andersson JLR, Bertelsen MF, Manger PR, Flach E, Khrapitchev AA, **Bryant KL**, Sallet J, Mars RB. 2021. *Cortical morphology and white matter tractography of three phylogenetically distant primates: Evidence for a simian elaboration*. Cerebral Cortex 32:1608-1624 doi.org/10.1093/cercor/bhab285.

Mars RB, **Bryant KL**. 2021. *Neuroecology: The brain in its world*. Encyclopedia of Behavioral Neuroscience, 2nd edition, Thiebaut de Schotten, M., ed. Pp. 757-765.

Braunsdorf M, Blazquez Freches G, Roumazeilles L, Eichert N, Schurz M, Uithol S, **Bryant KL**, Mars RB. 2021. *Does the temporal cortex make us human?* Neuroscience and Biobehavioral Reviews. doi.org/10.1016/j.neubiorev.2021.08.032.

Uithol S, **Bryant KL**, Toni I, Mars RB. 2021. *The anticipatory and task-driven nature of visual perception*. Cerebral Cortex. doi.org/10.1093/cercor/bhab163.

Bryant KL, Ardesch DJ, Roumazeilles L, Scholtens L, Khrapitchev AA, Sibson NR, Tendler BC, Wu W, Miller KL, Sallet J, van den Heuvel MP, Mars RB. 2021. *Diffusion MRI data, sulcal anatomy, and tractography for selected samples from the Primate Brain Bank*. Brain, Structure and Function 1-15.

Bryant KL, Rogers CN, Schurz, M. 2021. The role of the temporal lobe in human social cognition. *Cooperation and Conflict: The Interaction of Opposites in Shaping Social Behavior*. Wilczynski W & Brosnan S, eds. 104.

Bryant KL, Li L, Eichert N, Mars RB. 2020. *A comprehensive atlas of white matter tracts in the chimpanzee*. PLoS Biology 18(12), e3000971.

Roumazeilles L, Eichert N, **Bryant KL**, Folloni D, Sallet J, Vijayakumar S, Foxley S, Tendler BC, Jbabdi S, Reveley C, Verhagen L, Dershowitz LB, Guthrie M, Flach E, Miller KL, Mars RB. 2020. *Longitudinal connections and the organization of the temporal cortex in macaques, great apes, and humans*. PLoS Biology, 18(7), e3000810.

Warrington S, **Bryant KL**, Khrapitchev AA, Sallet J, Charquero-Ballester M, Douaud G, Jbabdi S, Mars RB, Sotiropoulos SN. 2020. *XTRACT – Standardised protocols for automated tractography and connectivity blueprints in the human and macaque brain*. Neuroimage 217:116923.

Blazquez Freches G, Haak KV, **Bryant KL**, Beckmann CF, Mars RB. 2020. *Principles of temporal association cortex organization as revealed by connectivity gradients*. Brain Structure and Function 1-16.

Eichert N, Robinson EC, **Bryant KL**, Jbabdi S, Jenkinson M, Li L, Krug K, Watkins KE, Mars RB. 2020. *Cross-species cortical alignment identifies different types of neuroanatomical reorganization in higher primates*. eLife 9:e53232

Bryant KL, Grossi G, Kaiser A. 2019. *Feminist interventions on the sex/gender question in neuroimaging research*. Scholar and Feminist Online 15:2.

Bryant KL, Glasser M, Li L, Bae J, Jacquez NJ, Alarcon L, Fields III A, Preuss TM. 2019. *Organization of extrastriate areas in chimpanzees compared to humans and macaques*. Cortex 118: 223-243.

Mars RB, O’Muircheartaigh J, Folloni D, Li L, Glasser MF, Jbabdi S, **Bryant KL**. 2018. *Concurrent analysis of white matter bundles and grey matter networks in the chimpanzee*. Brain Structure & Function, 1-13.

Bryant KL, Preuss TM. 2018. A Comparative Approach to the Primate Temporal Lobe. In *Digital Endocasts: From Skulls to Brains* (pp. 239-258). Bruner E, Ogihara N, & Tanabe H, eds. Springer, Tokyo.

Bryant KL, Suwyn C, Reding KM, Smiley JF, Hackett TA, Preuss TM. 2012. *Evidence for ape & human specializations in geniculostriate projections from VGLUT2 immunohistochemistry*. Brain, Behavior & Evolution 80: 210-221.

Moncrief ND, Lack JB, Maldonado JE, **Bryant KL**, Edwards CW, Van Den Bussche RA. 2012. *Lack of phylogeographic structure in two sympatric, forest-obligate squirrels (Sciurus niger and S. carolinensis)*. Journal of Mammalogy 93: 1247-1264.

INVITED TALKS

Bryant KL. Title TBD. Circuits for Complex Behavior. Frontal Cortex Gordon Research Conference. August 3-9 2024. Holderness, New Hampshire, USA.

Bryant KL. *Comparative connectivity fingerprint analysis reveals hotspots of human brain evolution*. Comparative MRI Brain Meeting, September 19-22, 2023. Paris, France.

Bryant KL. *Reflecting on Ape Subjectivity*. After Nagel: Science and the Phenomenology of Animal Subjects. March 6, 2023. Radboud University, Nijmegen, NL.

Bryant KL, Flattery CNR, Schurz M. *Temporal lobe evolutionary specializations facilitate human social cognition*. July 2022 Comparative Insights into the Development & Evolution of the Social Brain Symposium, European Society for Cognitive & Affective Neuroscience, Vienna, Austria.

Bryant KL. *Comparative neuroimaging as a window into human cognitive specializations*. April 8, 2022. Presented virtually to the Washington University Neuroimaging Community Seminar Series, Washington University at Saint Louis, St. Louis, Missouri, US.

Bryant KL. *Insights into Human Evolution Through Comparative Neuroimaging*. November 2021 at the Southern African Neuroscience Society Conference and satellite Evolutionary Neurosciences workshop, University of Witwatersrand, Johannesburg, South Africa.

Bryant KL. *Evolutionary Approaches to Human Brain Mapping*. May 4, 2020. Presented virtually due to COVID-19 pandemic. Brain and Behaviour Seminar. Bath Spa University, Bath, UK.

Bryant KL. *Science for the People: The Reboot*. May 4, 2020. Presented virtually due to COVID-19 pandemic. Environmental Humanities Seminar. Bath Spa University, Bath, UK.

Bryant KL. *Neurophylogenetics and You: Evolutionary Approaches to Human Brain Mapping*. October 9, 2019. Neuroscience Lunch Seminar. Harvard University, Cambridge, Massachusetts, USA.

Bryant KL. Keynote: *Neurophylogenetics as a Window into Human Uniqueness*. October 1, 2019. Donders Discussions 2019: Breaking Habits, Donders Institute for Brain, Cognition, & Behaviour, Nijmegen, NL.

Bryant KL. *What evolutionary neuroanatomy can tell us about human language*. February 2019. Neuroanatomical Foundations of Cognitive Computation Workshop, Max Planck Institute for Psycholinguistics, Nijmegen, NL.

PRESENTATIONS & ABSTRACTS

Benn RA, Xu T, Heuer K, **Bryant KL**. *Anatomically-informed comparative neuroimaging*. To be presented as part of an OHBM Educational Course: An Introduction to Cross-Species Neuroimaging. To be presented June 23, 2024 at the Organization for Human Brain Mapping Meeting (OHBM), Seoul, South Korea.

Bryant KL, Sierpowska J, Patel AD. *Insights into the evolution of beat perception through comparative diffusion tractography*. 2023 Society for Neuroscience Conference (SfN), Washington DC, USA.

Assimopoulos S, Warrington SA, Pszczolkowski S, **Bryant KL**, Mars RB, Sotiropoulos SN. *Generalising XTRACT tractography protocols across common macaque brain templates*. 2023 Meeting of the Organization for Human Brain Mapping (OHBM), Montréal, Canada.

Cordeau M, **Bryant KL**, Meunier D, Trapeau R, Combrisson E, Loh KK, Coulon O, Bélin P. *Structural connectivity of voice-selective areas in humans and macaques*. OHBM 2023, Montréal, Canada.

Cordeau M, **Bryant KL**, Meunier D, Trapeau R, Combrisson E, Loh KK, Coulon O, Bélin P. *Structural connectivity of voice-selective areas in humans and macaques*. 2023 NeuroFrance meeting, Lyon, France.

Bryant KL, Khrapitchev AA, Bertelsen MF, Manger PR, Sallet J, Mars RB. *Insight into hominoid brain evolution: A white matter atlas of the lar gibbon*. OHBM 2022 Glasgow, Scotland.

Tendler BC, Hanayik T, Ansorge A, Bangert-Christensen, Berns GS, Bertelsen MF, **Bryant KL**, Foxley S, van den Heuvel MP, Howard AFD, Huszar IN, Khrapitchev AA, Leonte A, Manger PR, Menke RAL, Mollink J, Mortimer D, Pallegage-Gamarallage M, Roumazeilles L, Sallet J, Scholtens L, Scott C, Smart A, Turner MR, Wang C, Jbabdi S, Mars RB, Miller KL. *The Digital Brain Bank, an open access data platform for post-mortem datasets*. 2022 Meeting of the International Society for Magnetic Resonance in Medicine, London, UK.

Venable EM, Putnam EE, **Bryant KL**, Wolfe BE, Hecht EE, Carmody RN. *Fermentation does not replicate the energetic benefits of cooking*. 2022 Meeting of the American Association of Biological Anthropologists, Denver, CO, USA.

Bruhn L, Loh K, **Bryant KL**, Sein J, Meguerditchian A, Mars RB, Coulon O. *White matter tract atlas of the baboon*. 2022 Virtual Meeting of the I Am Brain conference.

Parks A, **Bryant KL**, Smaers J, Hecht EE. *Virtual dissection and comparative connectivity of the cortico-cerebellar network in chimpanzees*. Virtual SfN 2021.

Tendler BC, Hanayik T, Foxley S, Howard A, Pallegage-Gamarallage M, Roumazeilles L, **Bryant KL**,

Khrapitchev AA, Huszar I, Wang C, Menke RAL, Smart A, Mollink J, Mortimer D, Turner M, Ansorge O, Jbabdi S, Mars RB, Miller KA. *The Digital Brain Bank, an open access data discovery & release platform for post-mortem datasets*. Virtual OHBM 2021.

Sierpowska J, **Bryant KL**, Janssen N, Freches G, Römkens M, Mangnus M, Kessels RPC, Roelofs A, Mars RB, Piai V. *Left temporal lobe language hubs – a comparative approach*. 2020 Virtual Meeting of the Society for the Neurobiology of Language.

Bryant KL. *Neurophylogenetic approaches to human brain mapping*. Paper presented in the “The Human Connectome in Light of Evolution” symposium at Virtual OHBM 2020.

Bryant KL, Eichert N, Li L, Mars RB. *Fascicular lateralization in the human lineage*. Virtual OHBM 2020.

Blazquez-Freches G, **Bryant KL**, Llera A, Haak K, Jbabdi S, Beckmann C, Mars R. *Cross-species connectivity blueprint gradients uncover multiscale human temporal lobe adaptations*. Virtual OHBM 2020.

Rafipoor H, Warrington S, **Bryant KL**, Cottaar M, Mars RB, Jbabdi S. *Cross-species parcellation using joint embedding of connectivity blueprints*. Virtual OHBM 2020.

Bryant KL, Pargeter J, Dingwall H, Young M, Jagoda E, Kruger AC, Leming L, Hecht EE. *My So Called Lab: Boosting the visibility of women in science*. SfN 2019, Chicago, IL, USA.

Sierpowska J, **Bryant KL**, Römkens M, Mangnus M, Janssen N, Piai V. *The functional neuroanatomy of the left temporal lobe white matter – an interdisciplinary approach based on intraoperative and comparative studies*. Paper presented at the 2019 Science of Aphasia Conference, Rome, Italy.

Bryant KL, Li L, Jbabdi S, Mars RB. *Neurophylogenetics: Cortical connectivity blueprints provide insight into evolutionary changes to white matter organization in the primate lineage*. OHBM 2019, Rome, Italy.

Uithol S, **Bryant KL**, Toni I, Mars R. *Beyond predictive processing: fMRI pattern decoding reveals active inference in early visual cortex*.

Warrington S, **Bryant KL**, Charquero-Ballester M, Douaud G, Jbabdi S, Mars R, Sotiropoulos S. *Standardised protocols for automated tractography & connectivity blueprints*. OHBM 2019, Rome, Italy.

Roumazeilles L, **Bryant KL**, Eichert N, Folloni D, Vijayakumar S, Reveley C, Verhagen L, Jbabdi S, Foxley S, Miller KL, Sallet J, Mars RB. *Comparative anatomy of the temporal lobe fasciculi in humans, great apes and macaques*. OHBM 2019, Rome, Italy.

Eichert N, Robinson E, **Bryant KL**, Jbabdi S, Jenkinson M, Krug K, Li L, Mars RB. *Cross-species surface registration identifies different types of cortical reorganization*. OHBM 2019, Rome, Italy.

Blazquez Freches G, Haak KV, **Bryant KL**, Beckmann CF, Mars R. *Overlapping modes of structural connectivity in the human and chimpanzee temporal cortex*. OHBM 2019, Rome, Italy.

Bryant KL, Grossi G, Kaiser A. June 2019. *Feminist tools for neuroimaging research*. Paper presented at the Bias in AI and Neuroscience Transdisciplinary Conference, Radboud University, Nijmegen, NL.

Bryant KL. April 2019. *Building a chimpanzee brain map*. Paper presented at the Comparative MRI Meeting, Düsseldorf, Germany.

Kruger AC, Fossati D, **Bryant KL**, Pargeter J, Hecht EE. *What predicts achievement in computer science? Considering gender and motivation in college students*. Paper presented at the 2019 Society for Research in Child Development, Baltimore, MD, USA.

Bryant KL, Li L, Mars RB. *A white matter atlas of the chimpanzee brain and quantitative comparison with human and macaque*. SfN 2018, San Diego, CA, USA.

Bryant KL, Mars RB. November 2018. *Evidence for evolutionary modifications to major white matter*

tracts in the hominoid lineage. Paper presented at the 2018 JB Johnston Club. San Diego, CA, USA.

Bryant KL, Li L, Mars RB. June 2018. *White matter projection maps in chimpanzees and comparison with humans and macaques*. Cortical Evolution Conference. Las Palmas, Spain.

Bryant KL, Li L, Preuss TM. *Reorganization of temporal association cortico-cortical connectivity in hominoids*. 2016 Meeting of the American Association of Physical Anthropologists, Atlanta, GA, USA.

Preuss TM, Hecht EE, Jacquez J, **Bryant KL**, Fields III A, Gutman D. *Comparative connectivity of the amygdala in chimpanzees and humans*. SfN 2015, Chicago, IL, USA.

Bryant KL. October 2015. *Putative evolutionary modifications of temporal association cortico-cortical connectivity in the hominoid lineage*. ENCORE Seminar, Emory University, Atlanta, GA, USA.

Bryant KL. June 2014. *Whose Academy?* Paper presented for the American Association of University Professors Conference on the State of Higher Education, Washington, DC, USA.

Bryant KL. *The Case of Synesthesia: Blurring boundaries*. Paper presented at the 2013 Critical Juncture Conference. Emory University, Atlanta, GA, USA.

Bryant KL, Gutman DA, Longchuan L, Zhang X, Preuss TM. *Organization of the chimpanzee temporal lobe: Localization of auditory core and the area MT+ complex using diffusion tensor imaging*. SfN 2012 New Orleans, LA, USA.

Bryant KL. May 2012. *The Synesthetic Continuum*. Paper presented for the Graduate Research Interdisciplinary Team of Scholars, Emory University, Atlanta, GA, USA.

Bryant KL, Suwyn C, Reding KM, Preuss TM. *Evidence for ape and human modifications of geniculostriate projections from VGluT2 immunohistochemistry*. SfN 2011, Washington, DC, USA.

Bryant KL, Moncrief NM, Maldonado J, Edwards CW. *Use of a maternally inherited marker to examine the genetic structure of southeastern fox squirrel (*Sciurus niger vulpinus*) populations*. Paper presented at the 2007 American Society of Mammalogists Conference, Albuquerque, NM, USA.

MENTORING

Undergraduate Research Mentor, Summer 2023. Laboratoire de Psychologie Cognitive, Aix-Marseille University. Supervising L1 student in a research project diffusion tractography in New World primates.

Mentor for Master's Internship, Spring 2019 semester. Cognitive Neuroecology Lab, Donders Institute for Brain, Cognition, and Behaviour. Supervising master's student in a research project on comparative white matter organization of temporal cortex in chimpanzees.

Seminar Facilitator, Bias in AI and Neuroscience Capita Selecta Workshop. Radboud University, Fall/Spring 2018-2019. Helped build course content and guide graduate student discussions in the ethical and philosophical dimensions of AI and neuroscience.

Supervisor for graduate and undergraduate researchers, 2011-2014. Preuss Lab, Yerkes National Primate Center. Trained 2 graduate and 3 undergraduate researchers in probabilistic tractography using diffusion imaging, scientific writing, and presentation skills.

TEACHING

Teaching Assistant and Undergraduate Study Abroad Program Coordinator, May-July 2016. Teaching Assistant for Neuroscience and Behavioral Biology Study Abroad Program in Paris, France. Coordinated program activities, served as French-speaking liaison, guest lectured for course.

Graduate Teaching Assistant, 2011-2013. *72 in-classroom hours*. Emory University: Cerebral Cortex; Introductory Psychology. Administered and graded exams, guest lectured in neuroanatomy.

Ape Behavior Education Coordinator, 2008-2009. Full time. Lincoln Park Zoo, Chicago, IL. Presented educational program on ape behavior and conservation; guided visitors in collection of behavioral data in chimpanzees.

Adjunct Professor, 2008. *150 in-classroom hours*. Dept of Biological and Biomedical Sciences, East West University, Chicago, IL: Introductory Biology I & II, Environmental Science Honors. Designed and taught syllabi for 3 undergraduate courses.

Graduate Teaching Assistant, 2005-2007. *700 in-classroom hours*. George Mason University: Animal Biology Lab, Introductory Biology I & II Labs, Ecology Lab, Lab prep. Set up laboratory, organized and presented lectures and demonstrations; administered and graded laboratory exams and practicals.

ACADEMIC SERVICE & LEADERSHIP

Board Member, *The Neurogenderings Network*. 2019-present. Confer and organize meetings, workshops, publications, and general activities within an international group of neuroscientists and gender studies scholars.

Chair for *Evolutionary Neuroscience Social*, SfN 2023, Washington DC, US.

Lead Organizer for the Diverse Events Working Group, Equality and Diversity Committee, Wellcome Centre for Integrative Neuroimaging, February 2021-February 2022.

Lead Organizer for *Discussions on Race and Ethnicity for Allies and Minorities (DREAM)*, Equality & Diversity Committee, Wellcome Centre for Integrative Neuroimaging, August 2020-February 2022.

Reviewer for scientific journals *Nature Communications*, *Communications Biology*, *eLife*, *Journal of Comparative Neurology*, *Cerebral Cortex*, *Anatomical Record*, and *Neuroscience & Biobehavioral Reviews*.

Chair for *Evolutionary Neuroscience Social* to be held at the SfN 2020, Washington DC, US. *Canceled due to COVID-19 pandemic*.

Symposium chair for *The Human Connectome in Light of Evolution*. Virtual OHBM 2020.

Conference organizer for *Neurogenderings V Conference: Intersectional Analysis of the Sexed/Gendered Brain*. Sponsored by the Lorentz Center. March 3-7, 2020, Lorentz Center, Leiden, NL.

Conference organizer for *Bias in Neuroscience and Artificial Intelligence*. June 4-6, 2019. Sponsored by Gender & Diversity Studies, Philosophy & International Office, Radboud University, Nijmegen, NL.

Secretary-Treasurer, 2014-2016. Emory chapter of the American Association of University Professors.

Conference organizer for the 2014 *Critical Juncture Conference* at Emory. Sponsored by the Office of the Provost, Fox Center for Humanistic Inquiry, Institute for Liberal Arts (et al.), Emory University.

Conference organizer for Neuroethics Symposium 2013 – *Bias in the Academy: From Neural Networks to Social Networks*. Sponsored by the Neuroscience program and the Center for Ethics, Emory University.

Conference organizer and panel discussant for the *Re-Visioning Emory Symposium (2013)*. Sponsored by the Visual Arts, English, History departments and the Institute for Liberal Arts, Emory University.

Bryant KL, Silverstein S, Vizcarra M. 2013. *Re-Visioning what is and can be: Activism, art, and the creative edge of social change*. Presented at the Institute for Liberal Arts Colloquium, Emory University.

Bryant KL. 2012. *A neuroscientist explains why we need the liberal arts*. News & Views of the Student Re-Visioning Committee. Transcript at www.stopthecutsemory.com

Founding member of the Student Re-Visioning Committee, 2012-2014, Emory University.

Treasurer/Founding member of the Environmental Science & Policy Graduate Student Association,

2006-2008, George Mason University.

SCIENTIFIC OUTREACH & PUBLIC SERVICE

Founder and coordinator of *My So-Called Lab* with Erin Hecht, PhD. 2017-present. Web and social media outreach project featuring content from women scientists, including interview podcasts and mini biographies. Mysocalledlab.org.

Senior Officer, *Science for the People*. 2019-2021. Coordinator and organizer for chapters, working groups, and caucuses of the nationwide grassroots organization Science for the People (see: scienceforthepeople.org/about-sftp/).

Editor, *Science for the People Magazine*, 2020-2021. Curating magazine calls, selecting submissions, and editing feature articles on the intersection of science and politics aimed at a lay audience (see: magazine.scienceforthepeople.org).

Bryant KL and Wallenberg E. *An Interview with Donna Haraway*. Science for the People Magazine, Bio Politics Issue, vol. 23, no. 2, December 2020. Excerpt published online: <https://magazine.scienceforthepeople.org/web-extras/donna-haraway-theodore-roosevelt-statue-2/>

Bryant KL. *An Interview with Hilary Rose and Steven Rose*. Science for the People Magazine, Science Under Occupation Issue, May 2020, vol. 23, no. 1. <https://magazine.scienceforthepeople.org/vol23-1/> Co-published in the Monthly Review, vol. 72, no. 1. <https://monthlyreview.org/2020/05/01/>

Interviewee. Kavin Senapathy, host. *Meet Science for the People*. Point of Inquiry. June 13, 2019. <https://pointofinquiry.org/2019/06/meet-science-for-the-people/>

Bryant KL. *Training Our Revolutionary Capacities*. May 2019 issue of Science for the People Magazine, vol. 22, no. 1. <https://magazine.scienceforthepeople.org/reviews/training-our-revolutionary-capacities/>

Scientific consultant and documentary interviewee. *Man-Made*. Director: Sunny Bergman. VPRO. Aired on NWO2 (Dutch television), April 8, 2019.

Facilitator, Biology and Society Working Group, Science for the People. September 2018-2021.

Bryant KL. April 2013. *Neurodiversity: Synesthesia(s)*. The Neuroethics Blog, cross-posted in NeuroEthics Women Leaders. theneuroethicsblog.com/2013/04/appreciating-neurodiversity-learning.html

Bryant KL. 2012. *Prospects for Human/Tech interfaces: Is Geordi's VISOR realizable?* Paper presented at the Comics & Popular Arts Conference (CPAC), Dragon*Con. 2012, Atlanta, GA, USA.

Bryant KL. 2011. *Is a Lieutenant Commander Data in Our Future? What Neuroscience Has to Say About the Future of AI*. Academic Track: AI & Human Enhancement Panel. Paper presented at the Comics & Popular Arts Conference (CPAC), Dragon*Con. Atlanta, GA, USA.

HONORS & AWARDS

PLOS Biology Editor-in-Chief's recommended article, <https://biologie.plos.org/2021/05/20/6-recommended-articles-from-plos-biology-editor-in-chief-nonnie-pariente/> (May 2021)

Biomedical Picture of the Day, <http://bpod.mrc.ac.uk/archive/2021/2/19> (February 19, 2021)

Junior Scholar Travel award, 4th Int'l Meeting of the Neurogenderings Network, NY, NY (2016)

Certificate in Mind, Brain, & Culture, the Center for Mind, Brain, & Culture, Emory University (2015)

Graduate Affiliate, Emory Disability Studies Initiative (2015)

Extraordinary Individual Award, Neuroscience Graduate Program, Emory University (2015)

Grace Hopper Travel Award, AAUP Conference on the State of Higher Ed, Washington DC (2014)

Outstanding MSc Student in Environmental Science and Policy, George Mason University (2008) **Best Student Paper** in Environmental Science, Virginia Academy of Science (2007)

Promotion from Provost for excellence in teaching, George Mason University (2006)