

**WILLIAM A. CUNNINGHAM**

---

**A. BIOGRAPHICAL INFORMATION**

**CONTACT INFORMATION**

Department of Psychology  
University of Toronto  
100 St. George Street (4<sup>th</sup> floor)  
Toronto, ON, CANADA M5S 3G3

email: [cunningham@psych.utoronto.ca](mailto:cunningham@psych.utoronto.ca)  
web: [socialneuro.psych.utoronto.ca](http://socialneuro.psych.utoronto.ca)  
mobile: 416 427-6269

**DEGREES**

- 2003 Ph.D., Yale University: Psychology  
*Neural Components of Automatic and Controlled Social Evaluation*  
Advisors: Marcia Johnson & Mahzarin Banaji
- 2001 M.Phil., Yale University: Psychology  
*Covariance Structure Modeling*  
Advisor: Todd Little
- 2000 M.S., Yale University: Psychology  
*Psychometric properties of implicit attitude measures: Inter-item consistency, stability, and convergent validity*  
Advisor: Mahzarin Banaji
- 1998 M.A., College of William & Mary: Psychology -  
*Individual differences in the activation of racial attitudes: The relationship between implicit prejudice and the propensity to think stereotypically*  
Advisors: John Nezlek & Peter Derks
- 1995 B.A., College of William & Mary: Psychology (High Honors) -  
*Stereotype activation in impression formation*  
Advisor: John Nezlek

**CURRENT EMPLOYMENT**

- 2016-present Professor, University of Toronto: Department of Psychology
- 2016-present Professor, University of Toronto: Graduate Department of Psychological Clinical Science
- 2012-present Faculty, University of Toronto: Collaborative Program in Neuroscience
- 2012-present Faculty, University of Toronto: Cognitive Science
- 2013-present Associate Scientist, Rotman Research Institute: Baycrest Hospital

Date of appointment to graduate school: 2004, 2012

Date of Tenure award: 2010 (Ohio State University), 2012 (University of Toronto)

## PREVIOUS EMPLOYMENT

2016-2017 Professor, Rotman School of Management: Marketing  
2012-2016 Associate Professor, University of Toronto: Department of Psychology  
2012-2016 Associate Professor, Rotman School of Management: Marketing  
2012-2015 Research Associate Professor, Ohio State University: Department of Psychology  
2010-2012 Associate Professor, Ohio State University: Department of Psychology  
2010-2012 Associate Director, Center for Cognitive and Behavioural Brain imaging, OSU  
2006-2012 Faculty, Center for Cognitive Science, Ohio State University  
2009-2012 Faculty, Mershon Center for International Security Studies, OSU  
2006-2010 Assistant Professor, Ohio State University: Department of Psychology  
2009-2010 Interim Director, Human Functional Imaging Initiative, Ohio State University  
2004-2009 Associate Scientist, Rotman Research Institute: Baycrest Hospital  
2006-2009 Assistant Professor (status), University of Toronto: Department of Psychology  
2004-2006 Assistant Professor, University of Toronto: Department of Psychology  
2005-2006 Faculty, University of Toronto: Collaborative Program in Neuroscience  
2003 Lecturer, Yale University: Department of Psychology  
2003-2004 Postdoctoral Research Associate, Yale University: Department of Psychology  
2001-2003 Exchange Scholar, Harvard University  
1998-2002 Teaching Fellow, Yale University: Department of Psychology  
1996-1998 Teaching Assistant, College of William & Mary: Department of Psychology

## HONOURS

2018 Fellow: Society for Social and Personality Psychology (SPSP)  
2015 Dean's Excellence Award: University of Toronto  
2013 Révész Chair, University of Amsterdam  
2013 Science Leadership Fellow  
2013 Dean's Excellence Award: University of Toronto  
2012 Young Investigator Award: Basic Science: International Congress of Psychological Science  
2012 Fellow: Association for Psychological Science (APS)  
2011 Janet Taylor Spence Award For Transformative Early Career Contributions: APS  
2010 SAGE Young Scholars Award: Foundation for Personality and Social Psychology  
2009 Fred Brown Research Award: Department of Psychology, Ohio State University  
2008 Fellow: Society for Experimental Social Psychology (SESP)  
2007 Top Ten Most Cited Assistant Professors in Social Psychology: Dialogue (SPSP)  
2006 Most Valuable Professor Award: University of Toronto, Psychology Graduate Student Association  
2006 Dean's Excellence Award: University of Toronto  
2005 Dean's Excellence Award: University of Toronto  
2004 Honorable Mention: Gordon Allport Intergroup Relations Prize  
2002 Yale Dissertation Fellowship  
2001 Summer Institute in Cognitive Neuroscience: Dartmouth College  
2000 Visiting Fellowship Program in functional MRI, Massachusetts General Hospital

- 2000 Summer Research Grant, Center for the Study of Race, Inequality and Politics,  
Department of Political Science, Yale University
- 1998-2002 Thomas B. Enders Fellowship, Yale University
- 1996-1998 Graduate School Fellowship, College of William & Mary

**PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

- 2019 Co-organizer for the Society for Experimental Social Psychology Conference
- 2017-current Editor: Psychological Inquiry
- 2009-2017 Associate Editor: Emotion Review
- 2013 Editor: Emotion Review (Special Issue on Psychological Constructivism)
- 2011-2012 Handling Editor: NeuroImage (Social Neuroscience Section)
- 2010-2012 Handling Editor: NeuroImage (Cognitive Neuroscience Section)

*PROFESSIONAL AFFILIATIONS*

- Association for Psychological Science (Fellow)
- Society for Experimental Social Psychology (Fellow)
- Society for Personality and Social Psychology (Fellow)
- Society for Social and Affective Neuroscience (Executive Committee 2007-present)
- Society for Affective Science
- Emotion Research Group

*GRANT ADVISORY BOARD*

- 2015-2019 Canadian Institutes of Health Research (CIHR)
- 2012-2016 National Science Foundation: Social Psychology
- 2008 National Science Foundation: Social Psychology

*ADDITIONAL REVIEWING*

*Grant Reviewer*

- National Science Foundation
- Social Sciences and Humanities Research Council
- Natural Sciences and Engineering Research Council
- Canadian Health Council
- Economic and Social Research Council

*Editorial Board*

- Emotion
- Journal of Personality and Social Psychology
- Personality and Social Psychology Bulletin
- Social Cognition
- Social Neuroscience
- Social Cognitive & Affective Neuroscience

*Consulting Editor*

Child Development (special issue on race and ethnicity)

*Ad-Hoc Reviewer*

Brain & Behavior; Child Development; Cognition; Cognitive, Affective, & Behavioral Neuroscience; Cognition and Emotion; Cerebral Cortex; Cortex; Emotion; Emotion Review; European Journal of Social Psychology; International Journal of Psychophysiology; Journal of Applied Social Psychology, Journal of Cognitive Neuroscience; Journal of Experimental Social Psychology; Journal of Personality and Social Psychology; Nature Neuroscience; NeuroImage; Neuropsychologia; Personality and Social Psychology Bulletin; Personality and Social Psychology Review; Psychological Review; Psychological Science; Science, Social Cognition; Social Cognitive & Affective Neuroscience; Social Neuroscience

## **B. ACADEMIC HISTORY**

### **RESEARCH AWARDS AND GRANT SUPPORT**

- 2019-2023 Social Sciences and Humanities Research Council (SSHRC-506547), PI.: Stereotype Maintenance through Approach-Contingent Information Gain  
\$185,130
- 2018-2023 Natural Sciences and Engineering Research Council of Canada (RGPIN-2018-05946), Discovery Grant, PI.: Integrating context into decision-making  
\$200,000
- 2017-2020 Alliance for Lupus Research and the University of Virginia, Co-PI.: A Randomized Controlled Trial of Mindfulness and Psychoeducation based Interventions for Systemic Lupus Erythematosus  
\$703,631.76 USD
- 2016-2018 Social Sciences and Humanities Research Council (SSHRC-501259), PI.: Linking structural and metacognitive aspects of attitude strength  
\$47,400
- 2015-2017 John Templeton Foundation, Co-PI. (Margaret Clark): Social hope and optimism  
\$100,000
- 2014-2018 Social Sciences and Humanities Research Council (SSHRC-496650), PI.: Regulatory flexibility  
\$200,000
- 2013-2018 Desautels Centre for Integrative Thinking, PI.: Executive function and impulsivity in well-being and decision making  
\$50,000
- 2013-2015 Canadian Institutes for Health Research (CIHR-111257), Co-PI. (A. Anderson): Behavioural and neural examinations of disgust in healthy individuals and OCD-  
\$376,369
- 2013-2018 Natural Science and Engineering Research Council (RGPIN-298514), PI.: Amygdala turning from motivational relevance  
\$165,000
- 2013-2017 Canadian Foundation for Innovation (CFI), PI.: Social cognitive neuroscience of dynamic evaluation  
\$120,000

2013-2017	Ontario Research Fund (ORT), PI.: Social cognitive neuroscience of dynamic evaluation \$120,000
2012-2013	1440 Foundation, Co-PI. (Z. Segal): Can mindfulness reduce prejudice? \$50,000
2011-2014	National Science Foundation (BCS-1122352), PI.: Exploring the conflict between self- interest and concern for others \$300,000
2010-2012	John Templeton Foundation, Co-PI. (A. Todorov): The neural basis of selfish and selfless social goals \$180,000
2010-2011	Mershon Center for International Security Studies, PI.: Psychological effects of threat and uncertainty \$60,614
2009-2010	Mershon Center for International Security Studies, PI.: The Psychology of Hate \$25,000
2008-2013	National Science Foundation (BCS-0819250), PI.: Social cognitive neuroscience of social groups \$399,994
2005-2006	Social Sciences and Humanities Research Council (SSHRC-410061256), PI.: Attitudes and Biases: Implicit and Explicit Processes \$126,000
2005-2006	Natural Sciences and Engineering Research Council of Canada (RGPIN-298514-05) Discovery Grant, PI.: Separable Positive and Negative Components of Evaluation 69,000
2004-2006	Canadian Foundation for Innovation (CFI), PI.: Social Cognitive Neuroscience of Attitudes 129,929
2004-2006	Ontario Research Fund (ORT), PI.: Social Cognitive Neuroscience of Attitudes 129,929
2004-2006	Connaught Startup Award \$10,000

### **C. SCHOLARLY, CREATIVE AND PROFESSIONAL WORK**

#### **REFEREED PUBLICATIONS**

- Van Bavel, J. J., et al. (2022). National identity predicts public health support during a global pandemic. *Nature communications*, 13(1), 517.
- Dukes, D., et al. (2021). The rise of affectivism. *Nature human behaviour*, 5(7), 816-820.
- Damiano, C., Walther, D.B. & Cunningham, W.A. Contour features predict valence and threat judgements in scenes. *Sci Rep* 11, 19405 (2021).

- Vrantsidis, T. H. & Cunningham, W. A. (2021). The Effect of Knowledge about a Group on Perceived Group Variability and Certainty about Stereotype-Based Inferences. *Social Cognition, 39*(4), 457-488.
- Allidina, S., & Cunningham, W. A. (2021). Avoidance begets avoidance: A computational account of negative stereotype persistence. *Journal of Experimental Psychology: General, 150*(10), 2078–2099.
- Kurdi, B., Ratliff, K. A., & Cunningham, W. A. (2021). Can the Implicit Association Test serve as a valid measure of automatic cognition? A response to Schimmack (2021). *Perspectives on Psychological Science, 16*(2), 422-434.
- Man, V., & Cunningham, W. A. (2021). Multiple scales of valence processing in the brain. *Social neuroscience, 16*(1), 57-67.
- Botvinik-Nezer, R., Holzmeister, F., Camerer, C. F., Dreber, A., Huber, J., Johannesson, M., ... & Rieck, J. R. (2020). Variability in the analysis of a single neuroimaging dataset by many teams. *Nature, 582*(7810), 84-88.
- Bultmann, M. N., Wheeler, N., Jimenez, T., & Arndt, J. (2020). Grasping for metaphors: Identity ambiguity contributes to the preference for metaphor usage. *Journal of Language and Social Psychology, 39*(5-6), 764-776.
- Gelpi, R., Cunningham, W. A., & Buchsbaum, D. (2020). Belief as a non-epistemic adaptive benefit. *Behavioral and Brain Sciences, 43*.
- Golubickis, M., Falbén, J. K., Ho, N. S. P., Sui, J., Cunningham, W. A., & Macrae, C. N. (2020). Parts of me: Identity-relevance moderates self-prioritization. *Consciousness and Cognition, 77*, 102848.
- Koscik, T. R., Man, V., Jahn, A., Lee, C. H., & Cunningham, W. A. (2020). Decomposing the neural pathways in a simple, value-based choice. *NeuroImage, 214*, 116764
- Landy, J. F., Jia, M. L., Ding, I. L., Viganola, D., Tierney, W., Dreber, A., ... & Crowdsourcing Hypothesis Tests Collaboration. (2020). Crowdsourcing hypothesis tests: Making transparent how design choices shape research results. *Psychological Bulletin, 146*(5), 451.
- Long, E. U., Wheeler, N. E., & Cunningham, W. A. (2020). Through the looking glass: Distinguishing neural correlates of relational and non-relational self-reference and person representation. *Cortex, 130*, 257-274.
- Teoh, Y. Y., Yao, Z., Cunningham, W. A., & Hutcherson, C. A. (2020). Attentional priorities drive effects of time pressure on altruistic choice. *Nature communications, 11*(1), 1-13.
- Wheeler, N. E., Allidina, S., Long, E. U., Schneider, S., Haas, I. J., & Cunningham, W. A. (2020). Ideology and predictive processing: Coordination, bias, and polarization in socially constrained error minimization. *Current Opinion in Behavioral Sciences, 34*, 192-198.
- Man, V., & Cunningham, W.A. (2019). Multiple scales of valence processing in the brain. *Social Neuroscience, 1-11*.
- Allidina, S., Arbuckle, N. L., & Cunningham, W. A. (2019). Considerations of Mutual Exchange in Prosocial Decision-Making. *Frontiers in Psychology, 10*.
- Falbén, J. K., Olivier, J. L., Golubickis, M., Ho, N. S. P., Persson, L. M., Tsamadi, D., Marinopoulou, E., Bianciardi, B., Cunningham, W. A., & Macrae, C. N. (2019). Stop stereotyping. *Attention, Perception, & Psychophysics, 81*(5), 1228–1235.

- Falben, J. K., Tsamadi, D., Golubickis, M., Olivier, J., Persson, L., Cunningham, W. A., & Macrae, C.N. (2019). Predictably Confirmatory: The Influence of Stereotypes During Decisional Processing. *Quarterly Journal of Experimental Psychology*, 72(10), 2437-2451.
- Gaut, G., Turner, B., Lu, Z.-L., Li, X., Cunningham, W. A., & Steyvers, M. (2019). Predicting Task and Subject Differences with Functional Connectivity and Blood-Oxygen-Level-Dependent Variability. *Brain Connectivity*, 9(6), 451–463.
- Golubickis, M., Ho, N. S. P., Falbén, J. K., Mackenzie, K. M., Boschetti, A., Cunningham, W. A., & Neil Macrae, C. (2019). Mine or mother's? Exploring the self-ownership effect across cultures. *Culture and Brain*, 7(1), 1–25.
- Golubickis, M., Ho, N. S. P., Falbén, J. K., Schwertel, C. L., Maiuri, A., Dublas, D., Cunningham, W.A., & Macrae, C. N. (2019). Valence and ownership: Object desirability influences self-prioritization. *Psychological Research*, 1-10.
- Man, V., Gruber, J., Glahn, D. C., & Cunningham, W. A. (2019). Altered amygdala circuits underlying valence processing among manic and depressed phases in bipolar adults. *Journal of Affective Disorders*, 245, 394-402.
- Nohlen, H. U., van Harreveld, F., & Cunningham, W. A. (2019). Social evaluations under conflict: Negative judgments of conflicting information are easier than positive judgments. *Social Cognitive and Affective Neuroscience*, 14(7), 709–718.
- Teachman, B. A., Clerkin, E. M., Cunningham, W., Dreyer-Oren, S., & Werntz, A. (2019). Implicit Cognition and Psychopathology: Looking Back and Looking Forward. *Annual Review of Clinical Psychology*, 15(1).
- Allidina, S. & Cunningham, W. A. (2018). Moral cues from ordinary behaviour. *Behavioural and Brain Sciences*, 41, E96.
- Golubickis M., Falben J.K., Cunningham W.A., & Macrae C.N. (2018). Exploring the self-ownership effect: Separating stimulus and response biases. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44(2), 295-306.
- Cunningham, W.A. & Kosciak T.R. (2017). Balancing Type I and Type II error concerns in fMRI through compartmentalized analysis. *Cognitive Neuroscience*, 8(3): 147-149.
- Dutra, S. J., Man, V., Kober, H., Cunningham, W. A., & Gruber, J. (2017). Disrupted cortico-limbic connectivity during reward processing in remitted bipolar I disorder. *Bipolar Disorders*, 19(8), 661–675.
- Golubickis, M., Falben, J. K., Sahraie, A., Visokomogilski, A., Cunningham, W.A., Sui, J., & Macrae, C. N. (2017). Self-prioritization and perceptual matching: The effects of temporal construal. *Memory & Cognition*, 1-17.
- Macrae, C. N., Visokomogilski, A., Golubickis, M., Cunningham, W. A., & Sahraie, A. (2017). Self-Relevance Prioritizes Access to Visual Awareness. *Journal of Experimental Psychology: Human Perception and Performance*, 438-443.
- Man, V., Nohlen, H.U., Melo, H., & Cunningham, W.A. (2017). Hierarchical Brain Systems Support Multiple Representations of Valence and Mixed Affect. *Emotion Review*, 1-9.
- Stillman, P. E., Lee, H., Deng, X., Unnava, H. R., Cunningham, W. A., & Fujita, K. (2017). Neurological evidence for the role of construal level in future-directed thought. *Social Cognitive and Affective Neuroscience*, 12(6): 937-947.
- Luttrell, A., Stillman, P. E., Hasinski, A., & Cunningham, W. A. (2016). Neural dissociations in attitude strength: Distinct regions of cingulate cortex track ambivalence and certainty.

- Journal of Experimental Psychology: General*, 145(4), 419-433.
- Melo, H., Koscik, T. R., Hathaway, G. A., Vratsidis, T., & Cunningham, W. A. (2016). Origins of emotional consciousness. *Behavioural and Brain Sciences*, 39, 33.
- Wonch, K. E., de Medeiros, C. B., Barrett, J. A., Dudin, A., Cunningham, W.A., Hall, G. B., & Fleming, A. S. (2016). Postpartum Depression and Brain Response to Infants: Differential Amygdala Response and Connectivity. *Social Neuroscience*, 1-18.
- Dutra, S. J., Cunningham, W.A., Kober, H., & Gruber, J. (2015). Elevated striatal reactivity across monetary and social rewards in bipolar I disorder. *Journal of Abnormal Psychology*, 124, 890-904.
- Kirkland, T., Gruber J., & Cunningham, W. A. (2015). Comparing happiness and hypomania: A study of extraversion and neuroticism aspects. *PLoS ONE*, 1–18.
- Stillman, P., Van Bavel, J. J., & Cunningham, W. A. (2015). Valence asymmetries in the human amygdala: Task relevance modulates amygdala responses to positive more than negative affective cues. *Journal of Cognitive Neuroscience*, 27, 842–851.
- Cunningham, W. A., & Kirkland, T. (2014). The joyful, yet balanced, amygdala: moderated responses to positive but not negative stimuli in trait happiness. *Social Cognitive and Affective Neuroscience*, 9, 760–766.
- Haas, I. J., & Cunningham, W. A. (2014). The uncertainty paradox: Perceived threat moderates the effect of uncertainty on tolerance. *Political Psychology*, 35, 291–302.
- Kanayet, F. J., Opfer, J. O., & Cunningham, W. A. (2014). The Value of Numbers in Economic Rewards. *Psychological Science*, 25, 1534–1545.
- Cunningham, W. A. (2013). Introduction to Special Section: Psychological Constructivism. *Emotion Review*, 5, 333–334.
- Cunningham, W. A., Dunfield, K. A., & Stillman, P. (2013). Emotional states from affective dynamics. *Emotion Review*, 5, 344–355.
- Luttrell, A., Briñol, P., Petty, R. E., Cunningham, W. A., & Diaz, D. (2013). Metacognitive Confidence: A Neuroscience Approach. *Revista de Psicología Social*, 28, 317–332.
- Arbuckle, N. & Cunningham, W. A. (2012). Understanding everyday psychopathy: Shared group identity leads to increased concern for others amongst undergraduates higher in psychopathy. *Social Cognition*, 5, 564–583.
- Cunningham, W. A. & Brosch, T. (2012). Motivational salience: Amygdala tuning from traits, needs, values, and goals. *Current Directions in Psychological Science*, 21, 54–59
- Cunningham, W. A. & Kirkland, T. (2012). Emotion, cognition, and the classical elements of mind. *Emotion Review*, 4, 369–370.
- Cunningham, W. A., Van Bavel, J. J., Arbuckle, N. L., Packer, D. J., & Waggoner, A. S. (2012). Rapid social perception is flexible: Approach and avoidance motivational states shape P100 responses to other– race faces. *Frontiers in Human Neuroscience*, 6, 1–7.
- Gruber, J., Cunningham, W. A., Kirkland, T., & Hay, A. C. (2012). Feeling stuck in the present? Mania proneness and history associated with present-oriented time perspective. *Emotion*, 12, 13– 17.
- Kirkland, T. & Cunningham, W. A. (2012). Mapping Emotions through Time: How Affective Trajectories Inform the Language of Emotion. *Emotion*, 12, 268–282.



- Martens, M.A., Hasinski, A.E., Andridge, R.R., & Cunningham, W.A. (2012). Continuous cognitive dynamics of the evaluation of trustworthiness in Williams syndrome. *Frontiers in Psychology, 3*(160), 1–9.
- Todd, R. M., Cunningham, W. A., Anderson, A. K., & Thompson, E. (2012). Affect-biased attention as emotion regulation. *Trends in Cognitive Sciences, 16*, 365–372.
- Van Bavel, J. J., & Cunningham, W. A. (2012). A social identity approach to person memory: Group membership, collective identification, and social role shape attention and memory. *Personality and Social Psychology Bulletin, 38*(12), 1566–1578.
- Van Bavel, J.J., Packer, D. J., Haas, I.J., & Cunningham, W.A. (2012). The importance of moral construal: moral versus non-moral construal elicits faster, more extreme, universal evaluations of the same actions. *PLoS ONE, 7*, 1–14.
- Van Bavel, J. J., Swencionis, J. K., O'Connor, R. C., & Cunningham, W. A. (2012). Motivated social memory: Belonging needs moderate the own-group bias in face recognition. *Journal of Experimental Social Psychology, 48*, 707–713.
- Van Bavel, J. J., Xiao, Y. J., & Cunningham, W. A. (2012). Evaluation is a dynamic process: Moving beyond dual system models. *Social and Personality Psychology Compass, 6*, 438–454.
- Cunningham, W. A., Johnsen, I. R., & Waggoner, A. S. (2011). Orbitofrontal cortex provides cross-modal valuation of self-generated stimuli. *Social Cognitive and Affective Neuroscience, 6*, 286–293.
- Kesek, A., Cunningham, W. A., Packer, D. J., & Zelazo, P. D. (2011). Indirect goal priming is more powerful than explicit instruction in children. *Developmental Science, 14*, 944–948.
- Kirkland, T. & Cunningham, W. A. (2011). The neural basis of affect and emotion. *WIREs: Cognitive Science, 2*, 656–665.
- Mowrer, S. M., Jahn, A. A., Abduljalil, A., & Cunningham, W. A. (2011). The value of success: Acquiring gains, avoiding losses, and simply being successful. *PLoS One, 6* 1–8.
- Van Bavel, J. J., Packer, D. J., & Cunningham, W. A. (2011). Modulation of the Fusiform Face Area following minimal exposure to motivationally relevant faces: Evidence of in-group enhancement (not out-group disregard). *Journal of Cognitive Neuroscience, 23*, 3343–3354
- Cunningham, W. A. (2010). In defense of brain mapping in social and affective neuroscience. *Social Cognition, 28*, 716–721.
- Cunningham, W. A., Arbuckle, N. L., Jahn, A., Mowrer, S. M., & Abduljalil, A.M. (2010). Aspects of neuroticism and the amygdala: Chronic tuning from motivational styles. *Neuropsychologia, 48*, 3399–3404.
- Gawronski, B., Cunningham, W. A., LeBel, E. P., & Deutsch, R. (2010). Attentional influences on affective priming: Does categorization (always) influence spontaneous evaluation? *Cognition and Emotion, 24*, 1008–1025.
- Van Bavel, J. J. & Cunningham, W. A. (2010). A social neuroscience approach to self and social categorization: A New Look at an old issue. *European Review of Social Psychology, 21*, 237–284
- Cunningham, W. A., Kesek, A., Mowrer, S. M. (2009). Distinct orbitofrontal regions encode stimulus and choice valuation. *Journal of Cognitive Neuroscience, 10*, 1956–966.

- Cunningham, W. A., & Van Bavel, J. J. (2009). Varieties of emotional experience: Differences in object or computation? *Emotion Review*, *1*, 56–57.
- Lieberman, M.D. & Cunningham, W. A. (2009). Type I and Type II error concerns in fMRI research: Re-balancing the scale. *Social Cognitive and Affective Neuroscience*, *4*, 423–42.
- Packer, D. J., & Cunningham, W. A. (2009). Neural correlates of reflection on goal states: The role of regulatory focus and temporal distance. *Social Neuroscience*, *4*, 412–425.
- Van Bavel, J. J., & Cunningham, W. A. (2009). Self-categorization with a novel mixed-race group moderates automatic social and racial biases. *Personality and Social Psychology Bulletin*, *35*, 321–335.
- Beer, J. S., Stallen, M., Lombardo, M. V., Gonsalkorale, K., Cunningham, W. A., & Sherman, J. W. (2008). The Quadruple Process model approach to examining the neural underpinnings of prejudice. *NeuroImage*, *43*, 775–783.
- Cunningham, W. A., Van Bavel, J. J., & Johnsen, I. R. (2008). Affective flexibility: Evaluative processing goals shape amygdala activity. *Psychological Science*, *19*, 152–160.
- Van Bavel, J. J., Packer, D. J., & Cunningham, W. A. (2008). The neural substrates of in-group bias: A functional magnetic resonance imaging investigation. *Psychological Science*, *19*, 1131–1139.
- Cunningham, W. A., Zelazo, P. D., Packer, D. J., & Van Bavel, J. J. (2007). The iterative reprocessing model: A multilevel framework for attitudes and evaluation. *Social Cognition*, *25*, 736–760.
- Cunningham, W.A., & Zelazo, P.D. (2007). Attitudes and evaluations: A social cognitive neuroscience perspective. *Trends in Cognitive Sciences*, *11*, 97–104.
- Touryan, S. R., Johnson, M. K., Mitchell, K. J., Farb, N., Cunningham, W. A., & Raye, C. L. (2007). The influence of self-regulatory focus on encoding of, and memory for, emotional words. *Social Neuroscience*, *2*, 14–27.
- Cunningham, W. A., & Derks, P. (2005). Humor appreciation and latency of comprehension. *Humor*, *18*, 389–403.
- Cunningham, W. A., Espinet, S. D., DeYoung, C. G., & Zelazo, P. D. (2005). Attitudes to the right – and left: Frontal ERP asymmetries associated with stimulus valence and processing goals. *NeuroImage*, *28*, 827–834.
- Cunningham, W. A., Raye, C. L., & Johnson, M. K. (2005). Neural correlates of evaluation associated with promotion and prevention regulatory focus. *Cognitive, Affective, & Behavioral Neuroscience*, *5*, 202–211.
- Johnson, M. K., Raye, C. L., Mitchell, K. J., Greene, E. J., Cunningham, W. A., & Sanislow, C. A. (2005). Using fMRI to investigate a component process of reflection: Prefrontal correlates of refreshing a just activated representation. *Cognitive, Affective, & Behavioral Neuroscience*, *5*, 339–361.
- Cunningham, W. A., Raye, C. L., & Johnson, M. K. (2004). Implicit and explicit evaluation: fMRI correlates of valence, emotional intensity, and control in the processing of attitudes. *Journal of Cognitive Neuroscience*, *16*, 1717–1729.
- Cunningham, W. A., Johnson, M. K., Raye, C. L., Gatenby, J. C., Gore, J. C., & Banaji, M. R. (2004). Separable neural components in the processing of Black and White Faces. *Psychological Science*, *15*, 806–813.

- Cunningham, W. A., Nezlek, J. B., & Banaji, M. R. (2004). Implicit and explicit ethnocentrism: Revisiting the ideologies of prejudice. *Personality & Social Psychology Bulletin*, *30*, 1332–1346.
- Cunningham, W. A., Johnson, M. K., Gatenby, J. C., Gore, J. C., & Banaji, M. R. (2003). Neural components of social evaluation. *Journal of Personality and Social Psychology*, *85*, 639–649.
- Phelps, E. A., Cannistraci, C. J., & Cunningham, W. A. (2003). Intact performance on an indirect measure of race bias following amygdala damage. *Neuropsychologia*, *41*, 203–208.
- Little, T. D., Cunningham, W. A., Shahar, G., & Widaman, K. F. (2002) To parcel or not to parcel: Exploring the question and weighing the merits. *Structural Equation Modeling*, *9*, 151–173.
- Cunningham, W. A., Preacher, K. J., & Banaji, M. R. (2001). Implicit attitude measures: Consistency, stability, and convergent validity. *Psychological Science*, *12*, 163–170.
- Phelps, E. A., O'Connor, K. J., Cunningham, W. A., Funayama, E. S., Gatenby, J. C., Gore, J. C., & Banaji, M. R. (2000). Performance on indirect measures of race evaluation predicts amygdala activation. *Journal of Cognitive Neuroscience*, *12*, 729–738.

#### **BOOKS AND/OR CHAPTERS**

- Tennant, J. M., Cook, S., Moldoveanu, M. C., Peterson, J. B., & Cunningham, W. A. (2018). Interpersonal Resonance: Developing Interpersonal Biofeedback for the Promotion of Empathy and Social Entrainment. In T. Z. Ahram (Ed.), *Advances in Human Factors in Wearable Technologies and Game Design* (pp. 208–214). Springer International Publishing.
- Van Bavel, J. J., & Cunningham, W. A. (2018). Scientific reproducibility in the study of social animals. In E. Aronson & J. Aronson. (Eds.) *The Social Animal*. 12th Edition. New York: Worth/Freeman.
- Roese, N.J., Melo, H.L., Vratsidis, T. H., & Cunningham, W. A. (2017). Reward: A marketer's guide to the biological basis of pleasure. In M. Cerf & M. Garcia (Eds). *Consumer Neurosciences*. Cambridge, MA: MIT Press.
- Man, V., Ames, D. L., Todorov, A., & Cunningham, W. A. (2017). Amygdala Tuning toward Self and Other. *Positive Neuroscience*.
- Berkman, E. T., Cunningham, W. A., & Lieberman, M. D. (2014). Research methods in social and affective neuroscience. In H. T. Reis & C. M. Judd (Eds.) *Handbook of research methods in personality and social psychology* (2nd ed) (pp 123–158). New York, NY: Cambridge University Press.
- Chapman, H. A., & Cunningham, W.A. (2014). Social groups: Both our destruction and our salvation? In W Sinott-Armstrong (Ed.), *Moral Psychology, Volume IV: Free Will and Moral Responsibility* (pp 397–402). Cambridge, MA: MIT Press.
- Cunningham, W. A., Dunfield, K. A., & Stillman, P. (2014). Affect Dynamics: Iterative Reprocessing in the production of emotional responses. In L. Barrett & J. Russell (Eds.) *The Psychological Construction of Emotion*. (pp. 168–182). New York, NY. Guilford.
- Fujita, K., Trope, Y., Cunningham, W. A., & Liberman, N. (2014). What is control? A conceptual analysis. In J. Sherman, B. Gawronski, & Y. Trope (Eds.) *Dual process theories of the social mind*. (pp. 50–68). New York: Guilford.

- Kirkland, T., Man, V. Y., & Cunningham, W. A. (2014). Positive emotion and the brain: The neuroscience of happiness. In J. Gruber and J. Moskowitz (Eds.), *The light and dark sides of positive emotion* (pp. 95–115). Oxford University Press.
- Jones, C. R., Kirkland, T., & Cunningham, W. A. (2013). Attitudes and emotion regulation. In J. J. Gross (Ed.), *Handbook of emotion regulation* (2nd ed.) (pp. 251–266). Guilford Press.
- Cunningham, W. A., Haas, I. J., & Jahn, A. (2011). Attitudes. In J. Decety & J. T. Cacioppo (Eds.), *The Oxford Handbook of Social Neuroscience* (pp. 212–226). New York, NY: Oxford University Press.
- Packer, D. J., Kesek, A., & Cunningham, W. A. (2011). Self-regulation and evaluative processing. In A. Todorov, S. Fiske, & D. Prentice (Eds.), *Social neuroscience: Toward understanding the underpinnings of the social mind* (pp. 147–159). New York, NY: Oxford University Press.
- Kanayet, F., Opfer, J. E., & Cunningham, W. A. (2010). Electrophysiological evidence for multiple representations of number in the human brain. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the XXXII Annual Conference of the Cognitive Science Society* (pp. 1234–1239). Mahwah, NJ: Erlbaum.
- Cunningham, W. A. & Van Bavel, J. J. (2009). A neural analysis of intergroup perception and evaluation. In J. T. Cacioppo & G. Berntson (Eds.), *Handbook of neuroscience for the behavioral sciences*. (pp. 975–984). New York: Wiley.
- Cunningham, W. A., & Zelazo, P. D. (2009). The development of iterative reprocessing: Implications for affect and its regulation. In P. D. Zelazo, M. Chandler, & E. Crone (Eds.), *Developmental social cognitive neuroscience* (pp. 81–98). New York: Taylor and Francis.
- Van Bavel, J. J., & Cunningham, W. A. (2009). A social neuroscience approach to intergroup perception and evaluation. In W. P. Banks (Ed.), *Encyclopedia of consciousness* (pp. 379–388). New York: Academic Press.
- Cunningham, W. A., Packer, D. J., Kesek, A., & Van Bavel, J. J. (2008). Implicit measurement of attitudes: A physiological approach. In R. E. Petty, R. H. Fazio, & P. Brinol (Eds.), *Attitudes: Insights from the new implicit measures* (pp. 485–512). New York: Psychology Press.
- Cunningham, W. A., & Johnson, M. K. (2007). Attitudes and evaluation: Toward a component process framework. In E. Harmon-Jones & P. Winkielman (Eds.), *Social neuroscience: Integrating biological and psychological explanations of social behavior* (pp. 227–245). New York: Guilford Press.
- Zelazo, P. D., & Cunningham, W.A. (2007). Executive function: Mechanisms underlying emotion regulation. In J. Gross (Ed.), *Handbook of emotion regulation* (pp. 135–158). New York: Guilford.

#### **NON-REFEREED PUBLICATIONS**

- Gruber, J., Van Bavel, J. J., Lewis, Jr. N. A., Cunningham, W.A. (2021). Why the COVID-19 pandemic could lead to overdue change in academia. *Science / AAAS*. Retrieved from <https://www.science.org/content/article/why-covid-19-pandemic-could-lead-overdue-change-academia>

- Cunningham, W. A., Van Bavel, J. J., Lewis Jr, N. A., Gruber, J. (2021). Science relies on constructive criticism. Here's how to keep it useful and respectful. *Science* / AAAS. Retrieved from <https://www.sciencemag.org/careers/2021/03/science-relies-constructive-criticism-here-s-how-keep-it-useful-and-respectful>
- Somerville, L. H., Van Bavel, J. J., Lewis, Jr. N. A., Gruber, J., & Cunningham, W. A. (2021). Learn when-and-how-to say no in your professional life. *Science* / AAAS. Retrieved from <https://www.sciencemag.org/careers/2021/01/learn-when-and-how-say-no-your-professional-life>
- Cunningham, W. A., Van Bavel, J. J., & Somerville, L. H. (2020). How to be an ethical scientist. *Science* / AAAS. Retrieved from <https://www.sciencemag.org/careers/2020/08/how-be-ethical-scientist>
- Gruber, J., Van Bavel, J. J., Cunningham, W. A., Somerville, L. H., & Lewis, Jr. N. A. (2020). Academia needs a reality check: Life is not back to normal. *Science* / AAAS. Retrieved from <https://www.sciencemag.org/careers/2020/08/academia-needs-reality-check-life-not-back-normal>
- Somerville, L. H., Van Bavel, J. J., Cunningham, W. A., & Lewis Jr, N. A. (2020). How to find a postdoc position that's right for you. *Science* / AAAS. Retrieved from <https://www.sciencemag.org/careers/2020/04/how-find-postdoc-position-s-right-you>
- Van Bavel, J. J., Cunningham, W. A., Somerville, L. H., & Lewis, Jr. N. A. (2020). How to navigate conflict with your research adviser. *Science* / AAAS. Retrieved from <https://www.sciencemag.org/careers/2020/11/how-navigate-conflict-your-research-adviser>
- Cunningham, W. A., Gruber, J., Van Bavel, J. J., & Lewis Jr, N. A. (2019). Conflict in your research group? Here are four strategies for finding a resolution. *Science*. Retrieved from <https://www.sciencemag.org/careers/2019/11/conflict-your-research-group-here-are-four-strategies-finding-resolution>
- Lewis Jr, N. A., Somerville, L. H., Van Bavel, J. J., & Cunningham, W. A. (2019). Help funders help you: Five tips for writing effective funding applications. *Science*. Retrieved from <https://www.sciencemag.org/careers/2019/09/help-funders-help-you-five-tips-writing-effective-funding-applications>
- Somerville, L. H., Cunningham, W. A., Gruber, J., Van Bavel, J. J., & Lewis Jr, N. A. (2019). Three keys to launching your own lab. *Science*. Retrieved from <https://www.sciencemag.org/careers/2019/08/three-keys-launching-your-own-lab>
- Van Bavel, J. J., Somerville, L. H., Cunningham, W. A., & Lewis Jr, N. A. (2019). Ten tips for negotiating job offers. *Science*. Retrieved from <https://www.sciencemag.org/careers/2019/12/ten-tips-negotiating-job-offers>
- Van Bavel, J. J., Lewis Jr, N. A., & Cunningham, W. A. (2019). In the tough academic job market, two principles can help you maximize your chances. *Science*. Retrieved from <https://www.sciencemag.org/careers/2019/07/tough-academic-job-market-two-principles-can-help-you-maximize-your-chances>
- Gruber, J., Van Bavel, J. J., Somerville, L. H., Lewis, Jr., N. A., & Cunningham, W. A. (2018). Introducing 'Letters to Young Scientists,' a new column from Science Careers. *Science*. Retrieved from <https://www.sciencemag.org/careers/2018/08/introducing-letters-young-scientists-new-column-science-careers>

### MANUSCRIPTS IN PRESS

Cockburn, J., Man, V., Cunningham, W. A., & O'Doherty, J. P. (accepted). Novelty and uncertainty regulate the balance between exploration and exploitation through distinct mechanisms in the human brain. *Neuron*.

Gelpi, R. A., Allidina, S., Hoyer, D., & Cunningham, W. A. (in press). The labelled container: Conceptual development of social category representations. *Behavioral and Brain Sciences*.

### MANUSCRIPTS UNDER REVIEW

Allidina, S., Long, E. U., & Cunningham, W. A. (under review). Decoupling the conflicting evaluative meanings in automatically activated race-based associations.

Golubickis, M., Pratt, J., & Cunningham, W. A. (under review). Prosocial Seeing: Establishing the link between the prosocial behavior and visual entry.

Seck, S., Kim, Y.J., Cunningham, W.A., Olshefski, R., Yeates, K., Vannatta, K., & Hoshkinson, K. (under review). Pilot study of associations among functional connectivity and neurocognition in survivors of pediatric brain tumor and healthy peers.

Vrantsidis, T. & Cunningham, W. A. (under review). Stereotyping under cognitive load

Vrantsidis, T. H. & Cunningham, W. A. (under review). Re-examining the integration of categories and individuating information: a Bayesian modelling approach.

Vrantsidis, T. H. & Cunningham, W. A. (under review). Your stereotypes, my facts: differences in factual beliefs predict differences in moral judgements of stereotypes.

### MEETINGS AND SYMPOSIA

Allidina, S. & Cunningham, W. A. (2022, February). Motivated categories: Exploring individual differences in categorization by race, gender, and age. Poster presented at the annual meeting for the Society for Personality and Social Psychology.

Wheeler, N. E., & Cunningham, W. A. (2022, February). Deciding to be wrong: Optimism and pessimism in motivated information search. *Poster presented at the Judgment and Decision Making Preconference of the Society for Personality and Social Psychology Annual Convention*, San Francisco, CA, Virtual.

Wheeler, N. E., & Cunningham, W. A. (2021, July). Deciding to be wrong: Optimism and pessimism in motivated information search. *Poster presented at the Cognitive Science Society Annual Convention*, Virtual.

Wheeler, N. E., & Cunningham, W. A. (2021, July). Deciding to be wrong: Optimism and pessimism in motivated information search. *Poster presented at the Cognitive Science Society Annual Convention*, Virtual.

Long, E. U., & Wheeler, N. E., & Cunningham, W. A. (2021, May). Through the looking glass: Distinguishing neural correlates of relational and non-relational self-reference and person representation. *Poster at the annual meeting of the Social and Affective Neuroscience Society*, Santa Barbara, CA, Virtual.

- Vrantsidis, T. H., & Cunningham, W. A. (2021). Alternative facts: belief differences lead to differences in moral judgements of stereotype use. Poster at the Society for Philosophy and Psychology conference.
- Mustafa, S., Vrantsidis, T. H., & Cunningham, W. A. (2021). People view stereotyping as acceptable in specific cases, despite endorsing moral norms against it. Poster at the Canadian Psychological Association's 82<sup>nd</sup> annual convention.
- Allidina, S. & Cunningham, W. A. (April 2021). Intergroup biases shape neural representations of self-other trade-offs. Poster to be presented at the annual meeting for the Social and Affective Neuroscience Society.
- Gelpi, R., Ai, W., Verma, A., Cunningham, W. A., & Sommerville, J. A. (2021, April). Dissociating moral evaluations and affiliative decision-making in intergroup exclusion. Paper to be presented at the SRCD 2021 Virtual Biennial Meeting. (symposium chair).
- Gelpi, R., Verma, A., Ai, W., Sommerville, J. A., & Cunningham, W. A. (2021, February). Group membership trumps moral evaluation in affiliative decision-making. Poster at the 22<sup>nd</sup> Annual Meeting of the Society for Personality and Social Psychology.
- Allidina, S. & Cunningham, W. A. (2020, February). *The influence of self-other trade-offs on intergroup biases in prosociality*. Talk presented at the Annual Meeting for the Society for Personality and Social Psychology, New Orleans, Louisiana.
- Long, E. U., Wheeler, N. E., & Cunningham, W. A. (2020, May). Through the looking glass: Distinguishing neural correlates of relational and non-relational self-reference and person representation. Poster at the annual meeting of the Social and Affective Neuroscience Society, Santa Barbara. [Note, presentation of this poster has been postponed to May 2021 due to COVID19-related disruptions.]
- Romyn, A., Arbuckle, N., & Cunningham, W.A. (2020, May; Postponed due to pandemic). When Your Outcomes Become My Rewards: Individual Differences in the Neural Representation of Others' Outcomes Drives Prosociality (or Antisociality). Poster presentation at the 2020 meeting of the Social and Affective Neuroscience Society (SANS).
- Romyn, A., Galarraga, D., Liu, T., Li, X., Steyvers, M., Lu, Z.L., & Cunningham, W.A. (2020, February). Inhibitory Abilities Moderate the Relationship Between Nucleus Accumbens Reward *Sensitivity and Measures of Wellbeing and Clinical Symptoms*. Poster presented at the 2020 meeting of the Society for Personality and Social Psychology (SPSP) Health and Well-being Preconference.
- Vrantsidis, T. H. & Cunningham, W. A. (2020, July). The Effect of First-Hand and Second-Hand Knowledge on Perceived Group Homogeneity and Certainty about Stereotype-Based Inferences. Poster at the 42<sup>nd</sup> annual meeting of the Cognitive Science Society. (Online).
- Damiano, C., Walther, D.B., & Cunningham, W.A. (2019, August). *Contour features predict valence and threat judgements in scenes*. Talk presented at the European Conference on Visual Perception, Leuven, Belgium.
- Galarraga, D., Liu, T., Romyn, A., Li, X., Steyvers, M., Lu, Z.L., & Cunningham, W.A. (2019, June). *Inhibitory Abilities Moderate the Relationship Between Nucleus Accumbens Reward Sensitivity and Measures of Wellbeing and Clinical Symptoms*. Poster presented at the Canadian Society for Brain Behaviour and Cognitive Science Annual Convention, Waterloo, Ontario, CA.

- Williams, W.C., Damiano, C., Long, E., & Cunningham, W.A. (June, 2019). *Social goals shape emotional face perception*. Talk at the 9th Interdisciplinary Symposium on Decision Neuroscience, Durham, NC.
- Vrantsidis, T.H., Read, S.J., & Cunningham, W.A. (2019, May). *Neural Network Modelling of Attitude Strength*. Poster presented at the Annual Meeting of the Social and Affective Neuroscience Society, Miami, Florida.
- Conner, C., Dudek, J., Hynes, N., Cunningham, W.A., & Arbuckle, N.L. (2019, March). *Perceptions of fairness in altruistic punishment*. Poster presented at the annual meeting of the Eastern Psychological Association, New York City, NY.
- Williams, W.C., Damiano, C., Long, E., & Cunningham, W.A. (2019, March). *Social goals shape the detection of emotional facial expressions*. Talk at the 6th Positive Emotions Preconference to the Meeting of the Society for Affective Science, Boston, MA.
- Allidina, S., Mack, M., & Cunningham, W. A. (2019, February). *Stereotype maintenance through approach-contingent information gain*. Talk presented at the Society for Personality and Social Psychology 2019 Annual Meeting, Portland, OR.
- Swift, V. & Cunningham, W. A. (2019, February). *Elaborating traits using network-based descriptions*. Poster presented at the Society for Personality and Social Psychology Pre-Conference for Personality Psychology 2019. Portland, USA.
- Wheeler, N.E., Cunningham, W.C. (2019, February). *Social Roles in Stereotypic Inference*. Poster presented at the Social Cognition Preconference of the Society for Personality and Social Psychology Annual Convention, Portland, OR.
- Wheeler, N.E., Cunningham, W.C. (2019, February). *Social Roles in Stereotypic Inference*. Poster presented at the Social Cognition Preconference of the Society for Personality and Social Psychology Annual Convention, Portland, OR.
- Nohlen, H.U., van Harreveld, F., Cunningham, W.A. (2018, December). *Social evaluations under conflict: Explaining the valence of judgments from Anterior Cingulate and Dorsolateral PFC*. Talk presented at the Dutch Association of Social Psychological Researchers, Nijmegen, NL.
- Teoh, Y. Y., Yao, Z., Tharmaratnam, V., Cunningham, W. & Hutcherson, C. (2018, October). *Eye-tracking and computational modelling reveal novel insights into altruistic choice under time pressure*. Poster Session at the Society for Neuroeconomics Annual Meeting 2018, Philadelphia, PA.
- Vrantsidis, T.H., Cho, H., Read, S.J., & Cunningham, W.A. (2018, July). *Neural Network Modelling of Attitude Strength*. Talk at the 2018 Ohio State Symposium on Social Psychology, Columbus, Ohio.
- Nohlen, H.U., van Harreveld, F., Cunningham, W.A. (2018, June). *Attitudes and Decision Making: Evaluative conflict*. Blitz Talk at the Amsterdam Brain & Cognition Networking Day, Amsterdam, NL.
- Teoh, Y.Y., Yao, Z., Tharmaratnam, V., Cunningham, W., & Hutcherson, C. (2018, May). *Eye-tracking and computational modeling reveals novel insights into altruistic choice under time pressure*. Poster presented at the Annual Meeting of the Social and Affective Neuroscience Society, New York, United States.



- Vrantsidis, T.H., & Cunningham, W.A. (2018, May). *Neural mechanisms of coordinating multiple goals based on changing needs*. Poster at the annual meeting of the Social and Affective Neuroscience Society, Brooklyn, NY.
- Allidina, S., & Cunningham, W.A. (2018, March). *Making decisions when self, ingroup, and outgroup goals conflict*. Poster presented at the Social Cognition preconference at the Society for Personality and Social Psychology, Atlanta, United States.
- Vrantsidis, T., & Cunningham, W.A. (2018, March). *Coordinating Multiple Goals Based on Need States*. Poster presented at the Society for Personality and Social Psychology, Atlanta, United States
- Arbuckle, N.L., LoVallo, S., & Cunningham, W.A. (2017). *Making Decisions Under Time Pressure Increases Errors in Decision Making, Not Prosociality*. Annual meeting of the Association for Psychological Science (APS), Boston, MA.
- Man, V., & Cunningham, W.A. (2017). *The use of contextual information in uncertain value-based choices*. Poster presented at the Society for Neuroscience, Washington, D.C., United States.
- Cunningham, W.A., & Man, V. (2016). *Model-based Time Frequency Analysis Reveals A Neural Signature of Context-related Reward Processes*. Society for Neuroeconomics. Poster presentation. Berlin, Germany.
- Cunningham, W. A. & Man, V. (2016). *Regulatory Flexibility*. Annual meeting of the Society for Experimental Social Psychology, Santa Monica, CA.
- Cunningham, W. A. & Milo, H. (2016). *Prospective decision-signals predict exploratory behavior*. Annual meeting of the Society for Experimental Social Psychology, Santa Monica, CA.
- Dutra, S. J., Man, V., Kober, H., Cunningham, W. A., & Gruber, J. (2016). *Reduced Fronto-Striatal Functional Connectivity Predicts Mania Symptoms in Bipolar I Disorder*. Poster presented at the Annual Meeting of the Society for Research in Psychopathology (SRP), Baltimore, MD.
- Man, V., & Cunningham, W.A. (2016). *Optimizing reward salience toward context*. The Neuroscience of Decision Making (International symposium of the Groupe de recherche sur le système nerveux central). Poster presentation. Montreal, Canada
- Stillman, P., Lee, H., Dent, X., Unnaya, R., Cunningham, W. A., & Fujita, K. (2016, April). *The neural correlates of temporal distance traversal and level of construal*. Poster, Annual Meeting of the Social and Affective Neuroscience Society. New York, NY.
- Man, V., & Cunningham, W. A. (2016). *Frontal and parietal beta-band oscillations track context-relevant reward processing*. Poster presented at the Cognitive Neuroscience Society Annual Meeting. New York City, USA.
- Melo, H., Muller, D.J., Cunningham, W. A., & Anderson, A. (2015, September). *Different neural mechanisms of exploratory behaviour in humans*. Presentation at the Neuroeconomics Conference. Miami, FL.
- Dutra, S. J., Man, V., Kober, H., Cunningham, W. A., & Gruber, J. (2015). *Missing the Win: Reduced Fronto-Striatal Functional Connectivity during Reward Responding in Bipolar I Disorder*. Poster presented at the Annual Meeting of the Society for Research in Psychopathology (SRP), New Orleans, LA.

- Man, V., Stillman, P., & Cunningham, W. A. (2015). *Intra-regional organization of the human amygdala determined by voxel-wise functional connectivity*. Poster presented at the Organization for Human Brain Mapping. Honolulu, HI, USA.
- Koscik, T. R., Cunningham, W. A., & Anderson, A. K. (2015, October). *An investigation of shared population coding for olfaction and social processing*. Poster presented at the SFN Annual Meeting 2015. Chicago, USA.
- Cunningham, W. A., Van Bavel, J. J., Stillman, P. E., & Man, V. (2015). *Motivational relevance and the amygdala*. Paper presented at the Annual Meeting of the Association for Psychological Science. New York, NY.
- Melo, H., Muller, D.J., Cunningham, W. A., & Anderson, A. (2015, March). *Genetic Influences on Exploratory Behaviour in Humans*. 2015 Ebbinghaus Empire Data Blitz. Toronto, Canada.
- Man, V., Gruber, J., Glahn, D.C., & Cunningham, W.A. (2015, March) *Differential amygdala sub-nuclei functional connectivity supports affective processing in bipolar and unipolar mood disorders*. Poster presented at the Cognitive Neuroscience Society Annual Meeting. San Francisco, USA.
- Man, V., Stillman, P., & Cunningham, W.A. (2015, February). *A comparison between anatomically-based and functional connectivity-based parcellations of the human amygdaloid complex*. Poster presented at the Lake Ontario Visionary Establishment. Niagara Falls, Ontario, Canada.
- Melo, H., Muller, D. J., Cunningham, W. A., & Anderson, A. (2015, January). *Genetic influences on the neural mechanisms of intertemporal choice*. Poster presented at the International Imaging Genetics Conference. Irvine, CA.
- Melo, H., Muller, D.J., Cunningham, W.A., & Anderson, A. (2015, January). *Dopamine-Related Genetic Influences on Intertemporal Choice*. Imaging Genetics Conference. San Diego, CA.
- Melo, H., Kouptsova, J., Muller, D.J., Cunningham, W.A., & Anderson, A. (2014, November). *Dopamine-Related Genetic Influences on Cognitive Flexibility*. GLASS Talk. Toronto, ON.
- Man, V., Gruber, J., Glahn, D.C., & Cunningham, W.A. (2014, November). *Amygdala functional connectivity and affective reactivity differentiates manic and depressive mood states across bipolar and unipolar mood disorders*. Poster presented at the Society for Neuroscience Annual Meeting. Washington, DC, USA.
- Melo, H., Muller, D.J., Cunningham, W.A., & Anderson, A. (2014, October). *Dopamine-Related Genetic Influences on Intertemporal Choice*. Ebbinghaus Empire Talk. Toronto, ON.
- Dutra, S. J., Cunningham, W. A., Phillips, M. L., Kober, H., & Gruber, J. (2014, October). *Elevated Striatal Reactivity Across Monetary and Social Rewards in Remitted Bipolar I Disorder*. Poster presented at the Annual Meeting of the Society for Research in Psychopathology (SRP), Evanston, IL.
- Melo, H., Kouptsova, J., Muller, D.J., Cunningham, W.A., & Anderson, A. (2014, September). *Dopamine-Related Genetic Influences on Cognitive Flexibility*. MICCAI. MIT. Cambridge, MA.
- Melo, H., Muller, D.J., Cunningham, W.A., & Anderson, A. (2014, September). *Dopamine-Related Genetic Influences on Intertemporal Choice*. Poster presented at the Neuroeconomics Conference. Miami, FL.

- Man, V., Ames, D.L., Todorov, A., & Cunningham, W.A. (2014, April). *Self and other relevance in the amygdala*. Poster presented at the Society for Affective Science. Washington, DC, USA.
- Dutra, S. J., Cunningham, W. A., Phillips, M. L., Kober, H., & Gruber, J. (2014, April). *Elevated Striatal Reactivity to Monetary and Social Reward in Bipolar I Disorder*. Poster presented at the Inaugural Meeting of the Society for Affective Science (SAS), Bethesda, MD.
- Ray, J. L., Granot, Y., Cunningham, W. A., & Van Bavel, J. J. (2014). *The phenomenology of hate: Moral concerns differentiate hate from dislike*. Paper submitted to the annual meeting of the Association for Psychological Science, San Francisco, CA.
- Hobson, N.M., & Cunningham, W. A. (2014, March). *Moved and moving as a group: The affective and motivational properties of collective ritual and its effects on group cohesion*. Presentation at the Social/Personality Research Group, University of Toronto, ON, Canada.
- Man, V., Ames, D.L., Todorov, A., & Cunningham, W.A. (2014). *Self and other relevance in the amygdala*. Poster presented at the Society for Affective Science. Washington, DC, USA.
- Cunningham, W. A. (2014). *Shaping ambivalent responses in person perception*. Presentation to the Cognitive Neuroscience Society. Toronto, ON. Boston, Mass.
- Arbuckle, N., Shane, M., & Cunningham, W. A. (2014, February). *Increasing concern for others in antisocial individuals*. Presentation at the Society for Personality and Social Psychology Conference. Austin, TX.
- Ray, J. L., Van Bavel, J. J., Granot, Y. Cunningham, W. A. (2014, February). *The phenomenology of hate: Moral concerns differentiate hate from dislike*. Poster presented at the Society for Personality and Social Psychology Conference. Austin, TX.
- Chapman, H. A., & Cunningham, W. A. (2014, February). *Positive affect and empathy predict utilitarian choice in a moral dilemma*. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Austin, USA.
- Gillespie, M.J., Smith, T.S., Cunningham, W.A., & Sederberg, P.B. (2014, February). *Neurotic memories: Interactions between personality and valence*. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Austin, TX.
- Gillespie, M.J., Smith, T.S., Cunningham, W.A., & Sederberg, P.B. (2013, November). *Individual differences in personality traits predict false memories*. Poster presentation at the annual meeting of the Psychonomic Society, Toronto, ON.
- Man, V., Ames, D.L., Todorov, A., & Cunningham, W.A. (2013). *Amygdala response to trustworthy versus untrustworthy faces is modulated by social context*. Poster presented at the Collaborative Program in Neuroscience Research Day. Toronto, Ontario, Canada.
- Cunningham, W. A. (2013). *Emotions have Temporal Structure*. Presentation to the Emotion Research Group. Toronto, ON.
- Kanayet, F., Opfer, J. & Cunningham, W. A. (2013). *Effects of numeric magnitude on the brain's valuation network*. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

- Gillespie, M.J., Smith, T.S., Cunningham, W.A., & Sederberg, P.B. (2013). *Openness/intellect predicts critical item intrusions in the Deese-Roediger-McDermott Paradigm*. Poster presentation at the Context and Episodic Memory Symposium, Philadelphia, PA.
- Kanayet, F., Opfer, J., Cunningham, W. & Sederberg, P. (2013). *Importance of numeric information processing for the valuation of monetary rewards*. Accepted as a poster at the Cognitive Neuroscience Society meeting (CNS), San Francisco, CA.
- Haas, I. J., & Cunningham, W. A. (2013, May). *Neural processing of uncertainty and threat*. Paper presented at the Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Gillespie, M.J., Smith, T.S., Cunningham, W.A., & Sederberg, P.B. (2013). *Open to too much experience: Openness predicts false memory*. Midwest Cognitive Science Conference, Columbus, OH.
- Wonch, K.E., De Medeiros, C., Barrett, J., Cunningham, W.A., Hall, G.B.C., Steiner, M., & Fleming, A.S. (2013). *Mothers with postpartum depression show reduced brain response to own baby in the mesocorticolimbic dopamine pathway*. 5<sup>th</sup> Parental Brain Conference, Regensburg, Germany.
- Wonch, K.E., De Medeiros, C., Barrett, J., Cunningham, W. A., Hall, G.B.C., Steiner, M., Fleming, A.S. (2013, April). *The impact of postpartum depression on the brain response to smiling infant faces in new mothers*. Poster presented at the Organization for the Study of Sex Differences, Hoboken, New Jersey, USA.
- Cunningham, W. A., Van Bavel, J. J., Arbuckle, N. L., Packer, D. J., & Waggoner, A. S. (2013, May). *Rapid social perception is flexible: Approach and avoidance motivational states shape P100 responses to other-race faces*. Paper presented at the Society for the Study of Motivation, Washington, DC.
- Haas, I. J., & Cunningham, W. A. (2013, January). *Neural processing of uncertainty and threat: The role of the human amygdala*. Poster presented at the Society for Personality and Social Psychology Annual Meeting, New Orleans, LA.
- Mowrer, S, M. & Cunningham, W. A. (2013, January). *Distinct and combined effects of motivational, anticipatory, and consummatory aspects of anhedonia*. Poster presented at 14<sup>th</sup> Annual Meeting for the Society for Personality and Social Psychology, New Orleans, LA.
- Kanayet, F., Opfer, J., Cunningham, W. A., & Sederberg, P. (2013). *Importance of numeric information processing for the valuation of monetary rewards*. Poster presented at the Cognitive Neuroscience Society meeting (CNS), San Francisco, CA.
- Ray, J. L., Van Bavel, J. J., Granot, Y., & Cunningham, W. A. (2013, May). *Lay theories of hate (vs. dislike): The differentiating role of morality*. Poster presented at the annual meeting of the Association for Psychological Science, Washington, DC.
- Swencionis, J. K., O'Connor, R. C., Cunningham, W. A., & Van Bavel, J. J. (2013, May). *Motivated social memory: Belonging needs moderate the own--group bias in face recognition*. Paper presented at the annual meeting of the Association for Psychological Science, Washington, DC.
- Van Bavel, J. J., Packer D. J., Haas, I. J., & Cunningham, W. A. (2013, March). *The importance of moral construal: Moral versus non--moral construal elicits faster, more extreme,*

- universal evaluations of the same actions*. Paper presented to the Eastern Psychological Association, New York, NY.
- Dutra, S. J., Cunningham, W., Phillips, M., Kober, H., & Gruber, J. (2012). *An Affective Neuroscience Approach to Monetary vs. Social Reward in Bipolar Disorder*. June Gruber (Chair), Positive Emotion and Reward Dysregulation Across Disorders. Talk at the Association for Behavioral and Cognitive Therapies (ABCT), National Harbor, MD.
- Dutra, S. J., Cunningham, W., Phillips, M. L., Kober, H., & Gruber, J. (2012). *An affective neuroscience approach to monetary and social reward in bipolar I disorder*. Poster presented at the annual meeting of the Society for Research in Psychopathology (SRP), Ann Arbor, MI.
- Haas, I. J., & Cunningham, W. A. (2012, July). *The uncertainty paradox: Feelings of threat moderate the effect of uncertainty on political tolerance*. Paper presented at the International Society for Political Psychology Annual Meeting, Chicago, IL.
- Haas, I. J., & Cunningham, W. A. (2012, May). *Individual differences predict preference for certainty versus uncertainty*. Paper presented at the Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Cunningham, W. A. (2012, June). *If bad is stronger than good, is good weaker than bad?* Presentation to the Emotion Research Group, Half Moon Bay, CA.
- Kirkland, T., Gruber, J., & Cunningham, W. A. (2012, May). *Portraits of positive affect: Differentiating happiness from hypomania*. Paper presented to the Midwestern Psychological Association, Chicago, IL.
- Kirkland, T., Gruber, J., & Cunningham, W. A. (2012, May). *Portraits of positive affect: Differentiating happiness from hypomania*. Poster presented to the Association for Psychological Science, Chicago, IL.
- Kirkland, T., & Cunningham, W. A. (2012, May). *The joyful amygdala: The motivational salience of positive stimuli in trait happiness*. Poster presented to the Social & Affective Neuroscience Society, New York, NY. Recipient of SANS prize for top 5% in submission category.
- Cunningham, W. A. & Kirkland, T. (2012, January). *Emotions from Affective Trajectories*. Paper presented at the SPSP Emotion Pre-Conference, San Diego, CA.
- Haas, I. J., & Cunningham, W. A. (2012, January). *The uncertainty paradox: Feelings of threat moderate the effect of uncertainty on intolerance*. Paper presented at the SPSP Political Psychology Pre-Conference, San Diego, CA. Note: also presented as a poster.
- Kirkland, T., Gruber, J., & Cunningham, W. A. (2012, January). *Not all good feelings are alike: Differentiating happiness from mania*. Poster presented to the Society for Personality and Social Psychology, San Diego, CA.
- Mowrer, S. M. & Cunningham, W. A. (2012, January). *Anhedonia in depression: Differentiating motivational and consummatory deficits*. Poster presented at the 7th Annual Emotion Pre-conference at the 13th Annual Meeting for the Society for Personality and Social Psychology, San Diego, CA.

- Cunningham, W. A., & Kirkland, T. (2011, November). *The joyful amygdala: The motivational salience of positive stimuli in trait happiness*. Poster presented to the Society for Neuroscience, Washington, DC.
- Cunningham, W. A., & Kirkland, T. (2011, October). *Mapping emotions through time: How affective trajectories inform emotion*. Paper presented to the Society for Experimental Social Psychology, Washington, DC.
- Haas, I. J., & Cunningham, W. A. (2011, May). *Feelings of threat moderate the effect of uncertainty on intolerance*. Paper presented at the Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Cunningham, W. A. (2011, April). *Motivational Salience*. Paper presented to the Society for Cognitive Neuroscience. San Francisco, CA.
- Cunningham, W. A. (2011, April). *Motivational Salience*. Paper presented to the Society for Social Neuroscience. Utrecht. Netherlands.
- Kirkland, T. & Cunningham, W. A. (2011, April). *Mapping emotions through time: How affective trajectories inform the language of emotion*. Paper presented to the Midwestern Psychological Association, Chicago, IL.
- Kirkland, T. & Cunningham, W. A. (2011, January). *Constructing happiness from ordinary experiences*. Poster presented at the Emotion Pre-Conference to the Society for Personality and Social Psychology, San Antonio, TX.
- Haas, I. J., & Cunningham, W. A. (2011, January). *Uncertain threat leads to increased social aggression*. Poster presented at the Society for Personality and Social Psychology Annual Meeting, San Antonio, TX.
- Mowrer, S. m., Jahn, A. A., & Cunningham, W. A. (2011, January). *Obtaining Rewards and Avoiding Punishments: Seperable Neural Regions Differentiate Rewarding Outcomes*. Power presented at the 12<sup>th</sup> Annual Meeting for the Society for Personality and Social Psychology, San Antonio, TX.
- Cunningham, W. A. (2010, October). *Multiple Representations of Value*. Paper presented to the Society for Experimental Social Psychology, Minneapolis, MN.
- Cunningham, W. A. (2010, October). *Political Neuroscience*. Paper presented to the Ohio State Political Psychology Conference, Ohio State University.
- Mowrer, S. M., Jahn, A. A., & Cunningham, W. A. (2010, October). *Is Obtaining a Reward Different from Avoiding an Aversive Outcome? Separable Effects of Stimulus and Outcome Evaluation and Their Interaction*. Poster presented at the 4<sup>th</sup> Annual Social & Affective Neuroscience Conference, Chicago, IL.
- Van Bavel, J. J., & Cunningham, W. A. (2010, October). *Social identity modulates automatic face perception: Group membership overrides the effects of race on early event---related potentials*. Poster to presented at the annual meeting of the Social and Affective Neuroscience Society, Chicago, IL.
- Arbuckle, N.L., Jahn, A.A., Mowrer, S.M., Abduljalil, A.M., & Cunningham, W.A. (2010, October). *Aspects of neuroticism and the amygdala: Chronic tuning from motivational styles*. Poster presented at the annual meeting of the Social and Affective Neuroscience Conference, Chicago, IL.

- Arbuckle, N.L., & Cunningham, W.A. (2010, September). *The effect of mere group membership on selfishness and selflessness*. Talk presented at the International Conference on Global Citizenship, Identity, and Tolerance, Chillicothe, OH.
- Johnsen, I. R., & Cunningham, W. A. (2010, July). *The impact of threat and uncertainty on political ideology*. Paper presented at the International Society for Political Psychology Annual Meeting, San Francisco, CA.
- Packer, D. J., Van Bavel, J. J., Johnsen, I. R., & Cunningham, W. A. (2010, July). *The impact of moral construals on voting intentions*. Paper presented at the annual meeting of the International Society for Political Psychology, San Francisco, CA.
- Cunningham, W. A. (2010, June) *Constructing Emotion*. Paper presented to the Emotion Research Group, Portland, MA
- Hill, L. K., Van Bavel, J. J., Hu, D., D. Williams, D., Cunningham, W. A., Sollers, J. J., & Thayer, J. F. (2010, June). *Resting heart rate variability is differentially associated with underlying hemodynamics in African American men and women*. Poster presented at the annual International Congress of Behavioral Medicine, Washington, DC.
- Mowrer, S. M., Jahn, A. A., Abduljalil, A. M., & Cunningham, W. A. (2010, March). *Motivational Influences on Reward—Related Neural Activity*. Talk presented at the 82<sup>nd</sup> Annual Meeting for the Midwestern Psychological Association, Chicago, IL.
- Johnsen, I. R., & Cunningham, W. A. (2010, March). *The impact of threat and uncertainty on political ideology*. Paper presented at the Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Van Bavel, J. J., Packer, D. J., & Cunningham, W. A. (2010, April). *Social identity organizes face perception: The Fusiform Face Area responds preferentially to members of an experimentally created ingroup*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal, QC.
- Cunningham, W. A. (2010, January) *Iterative Reprocessing Model*. Paper presented to the Society for Personality and Social Psychology, Las Vegas, NV
- Johnsen, I. R., Packer, D. J., Van Bavel, J. J., & Cunningham, W. A. (2010, January). *Costs and benefits be damned: The impact of moral construals on voting intentions*. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Las Vegas, NV.
- Mowrer, S.M., Jahn, A.A., & Cunningham, W.A. (2010, January). *Regulatory Focus Modulates Reward-Related Neural Activity*. Poster presented at the 11th Annual Meeting for the Society for Personality and Social Psychology, Las Vegas, NV.
- Van Bavel, J. J., O'Connor, R. C., & Cunningham, W. A. (2010, January). *The motivational dynamics of social memory: Identification with a mixed-race group replaces own-race bias with own-group bias*. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Las Vegas, NV.
- Mowrer, S.M., Jahn, A.A., & Cunningham, W.A. (2009, October). *Regulatory Focus Modulates Reward--Related Neural Activity*. Poster presented at the 3rd Annual Social & Affective Neuroscience Conference, New York, NY.

- Packer, D. J. & Cunningham, W. A. (2009, October) *Neural correlates of reflection on goals: Distinguishing domain-specific and domain-general processes*. Social and Affective Neuroscience Conference, New York, NY.
- Van Bavel, D. J., Packer, D. J., & Cunningham, W. A. (2009, October) *Social identity organizes face perception: The Fusiform Face Area responds preferentially to members of an experimentally created ingroup*. Social and Affective Neuroscience Conference, New York, NY
- Cunningham, W. A. (2009, August). *Motivation and the Amygdala*. American Psychological Association Conference, Toronto, ON.
- Cunningham, W. A. (2009, April). *Motivation and the Amygdala*. Association for Psychological Science Conference, San Francisco, CA.
- Cunningham, W. A. (2009, February). *Amygdala and motivation: Goals shape activation*. Paper presented at the Society for Personality and Social Psychology Annual Meeting, Tampa, FL.
- Johnsen, I. R., & Cunningham, W. A. (2009, February). *The impact of threat and uncertainty on political ideology*. Poster presented at the Society for Personality and Social Psychology Annual Meeting, Tampa, FL.
- Kirkland, T., Hasinski, A. E., & Cunningham, W. A. (2009, February). *Affective responses to risky decisions*. Poster presented at the Emotion Pre-Conference to the Society for Personality and Social Psychology Annual Meeting, Tampa, FL.
- Mowrer, S.M., Jahn, A.A., & Cunningham, W.A. (2009, February). *Regulatory Focus Modulates Activity in the Dopaminergic Reward System*. Poster presented at the 4th Annual Judgment and Decision-Making Pre-conference at the 10th Annual Meeting for the Society for Personality and Social Psychology, Tampa, FL.
- Van Bavel, J. J., Packer, D. J., Johnsen, I. R., & Cunningham, W. A. (2009, February). *The processes and outcomes associated with moral versus pragmatic evaluation*. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Tampa, FL.
- Cunningham, W. A. (2008, October). *The iterative reprocessing model*. Paper presented to the Society for Experimental Social Psychology, Sacramento, CA.
- Arbuckle, N. L., Van Bavel, J. J., Packer, D. J., Waggoner, A., & Cunningham, W. A. (2008, June). *Flexibility in automatic intergroup categorization*. Poster presented at the Social and Affective Neuroscience Conference, Boston, MA.
- Johnsen, I. R., DeMarree, K. G., & Cunningham, W. A. (2008, June). *The neural substrates involved in evaluation of self-generated stimuli*. Poster presented at the 2nd Annual Social & Affective Neuroscience Conference, Boston, MA.
- Mowrer, S.M., Kesek, A., & Cunningham, W.A. (2008, June). *The Negativity Bias in Economic Decision-Making: The Role of the Ventromedial Prefrontal Cortex*. Poster presented at the 2nd Annual Social & Affective Neuroscience Conference, Boston, MA.
- Van Bavel, J. J., Packer, D. J., & Cunningham, W. A. (2008, June). *The neural substrates of ingroup bias: An fMRI investigation*. Paper presented at the Social and Affective Neuroscience Conference, Boston, MA.



- Cunningham, W. A. (2008, May). *Motivation and the Amygdala: Goals Shape Activation*. Paper presented at the Midwestern Psychological Association Conference, Chicago, IL.
- Johnsen, I. R., Cunningham, W. A., & Nezlek, J. B. (2008, May). *A multidimensional representation of political ideology*. Paper presented at the Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Johnsen, I. R., Van Bavel, J. J., & Cunningham, W. A. (2008, February). *Affective flexibility: Evaluative processing goals shape amygdala activity*. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Albuquerque, NM.
- Kesek, A., Cunningham, W.A., & Zelazo, P.D. (2008, February). *Implicit goal activation in children*. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, Albuquerque, NM.
- Mowrer, S.M., Kesek, A., & Cunningham, W.A. (2008, February). *Behavioral and Neural Components of Complex Decision---Making*. Poster presented at the 3rd Annual Judgment and Decision-Making Pre-conference at the 9th Annual Meeting for the Society for Personality and Social Psychology, Albuquerque, NM.
- Van Bavel, J. J., Packer, D. J., & Cunningham, W. A. (2008, February). *The power of ingroup bias: The neural substrates and evaluative implications of membership in novel groups*. Paper presented at the annual meeting of the Society for Personality and Social Psychology, Albuquerque, NM.
- Van Bavel, J. J., & Cunningham, W. A. (2007, June). *Shifting intergroup evaluations using arbitrary coalitions*. Poster presented at the annual meeting of the Canadian Psychological Association, Ottawa, ON.
- Kesek, A., Cunningham, W.A., & Zelazo, P.D. (2007, June). *The Development of Evaluative Processing*. Talk presented at the Annual Meeting of the Jean Piaget Society, Amsterdam.
- Cunningham, W.A. (2007, June). *Social Cognitive Neuroscience of Group Processing*. Invited talk presented at the Annual Meeting of the Jean Piaget Society, Amsterdam.
- Kesek, A. & Cunningham, W.A. (2007, May). *An Investigation of Attitude Development Using Novel Stimuli*. Talk presented at the York/University of Toronto Social Personality Abnormal Mini-Conference at the University of Toronto.
- Kesek, A., Cunningham, W.A., & Zelazo, P.D. (2007, January). *The development of evaluative processing in children*. Poster presented at Society for Personality and Social Psychology Conference, Memphis, TN.
- Cunningham, W. A. (2007, January). *Social cognitive neuroscience of evaluation*. Society for Personality and Social Psychology Conference Attitudes Preconference, Memphis, TN.
- Van Bavel, J. J., Packer, D. J., Waggoner, A. S., & Cunningham, W. A. (2007, January). *Flexibility in automatic social evaluation: Induced motivational states shift automatic intergroup categorizations and evaluations*. Poster presented to the annual meeting of the Society for Personality and Social Psychology, Memphis, TN.
- Van Bavel, J. J., & Cunningham, W. A. (2006, June). *Shifting intergroup evaluations using arbitrary coalitions*. Canadian Psychological Association, Calgary, AB.

- Kesek, A. & Cunningham, W.A. (2006, August). *An investigation of attitude development using novel stimuli*. Invited talk presented at Queen's University, Department of Psychology, Kingston.
- Van Bavel, J. J., & Cunningham, W. A. (2006, May). *Erasing racism: Shifting ingroup favoritism via arbitrary groups*. Association for Psychological Science, New York, NY
- Cunningham, W. A. (2006, May). *Processing Race*. Association for Psychological Science, New York, NY.
- Van Bavel, J. J., Packer, D. J., Farb, N., Gonzalez, J., Chasteen, A. L., & Cunningham, W. A. (2006, January). *Feeling two things at once: A functional dissociation between implicit and explicit ambivalence toward social groups*. Society for Personality and Social Psychology Conference, Palm Springs CA.
- Cunningham, W. A. (2006, January). *Automatic and Controlled Processes in Race Perception*. Society for Personality and Social Psychology, Palm Springs, CA.
- Cunningham, W. A., Raye, C. L., & Johnson, M. K. (2005, April). *Neural correlates of evaluation associated with promotion and prevention regulatory focus*. Poster presented at the Cognitive Neuroscience Society, New York, NY.
- Farb, N., Cunningham, W. A., & Anderson, A. K. (2005, April), *Regulatory Focus Moderates the Physiological Response to Risk and Reward*. Poster presented at the Cognitive Neuroscience Society, New York, NY.
- Giuliani, N. R., Calhoun, V. D. & Cunningham, W. A. (2005, April). *Similarities between evaluative and non-evaluative judgments: A pluralistic fMRI analysis using SPM and semi-blind ICA*. Poster presented at the Cognitive Neuroscience Society, New York, NY
- Cunningham, W. A. (2005, January). *The role of reflection in evaluation: Inhibition, enhancement, and simply just different*. Paper presented at the Society for Personality and Social Psychology, New Orleans, LA.
- Cunningham, W. A. (2005, January). *Processing Race: Automaticity and Control*. Paper presented at the Society for Personality and Social Psychology, New Orleans, LA.
- Cunningham, W. A., Raye, C. L., & Johnson, M. K. (2005, January). *Neural correlates of evaluation associated with promotion and prevention regulatory focus*. Poster presented at the Society for Personality and Social Psychology, New Orleans, LA.
- Cunningham, W. A. (2004, April). *Evaluation: Valence, Intensity, & Control*. Paper presented at the Society for Cognitive Neuroscience, San Francisco, CA.
- Sanislow, C. A., Mitchell, K. M., Raye, C. L., Greene, E. J., Cunningham, W. A., McGuire, J. T., & Johnson, M. K. (May, 2004). *Orbitofrontal cortex is active when a salient stimulus must be ignored*. Presented at the annual meeting for Cognitive Neuroscience Society, San Francisco, CA.
- Cunningham, W. A., Johnson, M. K., Raye, C. L., Gatenby, J. C., Gore, J. C., & Banaji, M. R. (2003, June). *Separable Components in the Processing of Race*. Paper presented at the American Psychological Society Conference, Atlanta, GA.
- Cunningham, W. A., Johnson, M. K., Gatenby, J. C., Gore, J. C., & Banaji, M. R. (2002, April). *An fMRI investigation of evaluative and nonevaluative processing*. Poster presented at the Society for Cognitive Neuroscience, San Francisco, CA.

- Cunningham, W. A., Johnson, M. K., Gatenby, J. C., Gore, J. C., & Banaji, M. R. (2002, February). *Dissociated processes in evaluative and non-evaluative judgments*. Paper presented at the Society for Personality and Social Psychology Conference, Savannah, GA.
- Cunningham, W. A., Johnson, M. K., Gatenby, J. C., Gore, J. C., & Banaji, M. R. (2001, April). *An fMRI study on the conscious and unconscious evaluations of social groups*. Paper presented at the UCLA Conference on Social Cognitive Neuroscience, Los Angeles, CA.
- Cunningham, W. A., Jones, A., & Nezlek, J. B. (2001, February). *Implicit and Explicit Race attitudes of White and Black-Americans*. Poster presented at the Society for Personality and Social Psychology Conference, San Antonio, TX.
- Preacher, K. J., Cunningham, W. A., Banaji, M. R., & Altman, A. M. (2001, February). *Implicit attitude measures: Consistency, stability, and convergent validity*. Poster presented at the Society for Personality and Social Psychology Conference, San Antonio, TX.
- Phelps, E. A., O'Connor, K. J., Cunningham, W. A., Funayama, E. S., Gatenby, J. C., Gore, J. C., & Banaji, M. (2000, April). *Performance on indirect measures of race evaluation predicts amygdala activation*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Cunningham, W. A., & Banaji, M. R. (2000, February). *Implicit classism: Attitude, identity, and self-esteem*. Poster presented at the Society for Personality and Social Psychology Conference, Nashville, TN.
- Nosek, B. A., Cunningham, W. A., Banaji, M. R., & Greenwald, A. G. (2000, February). *Measuring implicit attitudes on the internet*. Poster presented at the Society for Personality and Social Psychology Conference, Nashville, TN.
- O'Connor, K. J., Cunningham, W. A., Banaji, M. R., Gore, J., Gatenby, C., & Phelps, E. A. (2000, February). *The implicit association test and fMRI: Neural basis of response competition*. Poster presented at the Society for Personality and Social Psychology Conference, Nashville, TN.
- Phelps, E. A., O'Connor, K. J., Cunningham, W. A., Banaji, M. R., Gatenby, J. C., & Gore, J. C. (1999, October). *Activation of the human amygdala in automatic evaluations of racial groups*. Poster presented at the Society for Neuroscience, Miami Beach, FL.
- Cunningham, A. M., Banaji, M. R., & Nezlek, J. B. (1999, June). *The roots of prejudice*. Poster presented at the American Psychological Society Conference, Denver, CO.
- Cunningham, W. A., & Nezlek, J. B. (1999, April). *The propensity to stereotype and implicit prejudice*. Paper presented at the Midwestern Psychological Association Conference, Chicago, IL.
- Nezlek, J. B., & Cunningham, W. A. (April, 1999). *The roots of unconscious racial prejudice*. Paper presented at the Society of Australian Social Psychology, Coolumb, Queensland, Australia.
- Cunningham, W. A., & Nezlek, J. B. (1999, March). *Propensity for social bias*. Poster presented at the Eastern Psychological Association Conference, Providence, RI.
- Nezlek, J. B., & Cunningham, W. A. (1998, October). *Studying individual differences in the activation of racial prejudice using the IAT and hierarchical linear modeling*. Part of a symposium entitled 'Studying implicit cognitive processes using the Implicit Association

Test' organized by John Nezlek and Anthony Greenwald. Society of Experimental Social Psychology, Lexington, KY.

Cunningham, W. A., & Derks, P. (1998, June). *Humor appreciation and latency of comprehension*. Paper presented at the International ISHS Humor Conference, Bergen, Norway

Cunningham, W. A., Nezlek, J. B., & Derks, P. L. (1998, March). *Automatic activation of non-prejudiced beliefs*. Paper presented at the Eastern Psychological Association Meeting, Boston, MA.

## INVITED LECTURES

- 2021 Kavli Summer Institute in Cognitive Science
- 2021 College of William & Mary
- 2019 Department of Philosophy and Department of Psychology, University of St. Andrews (St. Andrews, Scotland); Neuroscience School of Advanced Studies (Venice, Italy); Ebbinghaus Empire, University of Toronto (Toronto, Canada)
- 2018 Neuroleadership Summit
- 2017 University of British Columbia, Brown University, Vanderbilt University, University of New South Wales, University of Geneva
- 2016 Harvard University, Caltech, University of Virginia, University of Southern California, College of William & Mary
- 2015 Yale University, Neuroleadership Summit, University of Amsterdam, Rotman Research Institute
- 2014 University of Geneva, SISSA (Treiste, Italy), California Institute of Technology, University of Arizona (Workshop on Computational Social Interaction)
- 2013 University of Alabama, Northwestern University, University of Amsterdam, University of Geneva
- 2012 University of Colorado – Boulder, University of Waterloo University of Amsterdam, University of Geneva
- 2011 University of Toronto, University of Southern California, University of California: Irvine, Yale University, Princeton University, New York University, Northeastern University, Northwestern University; University of Michigan (Summer Institute in Cultural Neuroscience)
- 2010 University of Michigan (Summer Institute in Cultural Neuroscience), University of Virginia, Yale University
- 2009 Rotman School of Management: University of Toronto, Tufts University, Indiana University
- 2008 Purdue University, University of Chicago
- 2006 Queens University, University of Waterloo, University of Western Ontario, The Ohio State University
- 2005 New York University; The Ohio State University
- 2004 York University, Princeton University, Rotman Research Institute
- 2003 University of Massachusetts: Amherst, Harvard University, University of Toronto, Columbia University, Northeastern University

2002 College of William & Mary  
1998 College of William & Mary

**D. LIST OF COURSES**

**UNDERGRADUATE COURSES**

2021-2022 (University of Toronto)  
    PSY473: Social Cognitive Neuroscience  
2021-2022 (University of Toronto)  
    PSY320: Social Psychology: Attitudes  
2020-2021 (University of Toronto)  
    PSY473: Social Cognitive Neuroscience  
2020-2021 (University of Toronto)  
    PSY320: Social Psychology: Attitudes  
2019-2020 (University of Toronto)  
    PSY473: Social Cognitive Neuroscience  
2018-2019 (University of Toronto)  
    PSY473: Social Cognitive Neuroscience  
2017-2018 (University of Toronto)  
    PSY473: Social Cognitive Neuroscience  
    PSY320: Social Psychology: Attitudes  
2016-2017 (University of Toronto)  
    PSY473: Social Cognitive Neuroscience  
2014-2015 (University of Toronto)  
    PSY473: Social Cognitive Neuroscience  
2013-2014 (University of Toronto)  
    PSY473: Social Cognitive Neuroscience

2011-2012 (The Ohio State University)  
    PSY515: Psychology of Emotions  
    PSY520: Experimental Social Psychology  
2010-2011 (The Ohio State University)  
    PSY515: Psychology of Emotions  
    PSY520: Experimental Social Psychology  
2009-2010 (The Ohio State University)  
    PSY515: Psychology of Emotions  
2008-2009 (The Ohio State University)  
    PSY515: Psychology of Emotions  
    PSY520: Experimental Social Psychology  
2007-2008 (The Ohio State University)  
    PSY515: Psychology of Emotions  
    PSY520: Experimental Social Psychology  
2006-2007 (The Ohio State University)  
    PSY515: Psychology of Emotions  
2005-2006 (University of Toronto)  
    PSY320: Attitudes  
2004-2005 (University of Toronto)  
    PSY320: Attitudes

**GRADUATE COURSES**

2021-2022 (University of Toronto)  
    PSY2001: Design of Experiments: The  
    General Linear Model  
2020-2021 (University of Toronto)  
    PSY2001: Design of Experiments: The  
    General Linear Model  
2019-2020 (University of Toronto)  
    PSY2001: Design of Experiments: The  
    General Linear Model  
2017-2018 (University of Toronto)  
    PSY2001: Design of Experiments: The  
    General Linear Model  
2017-2018 (University of Toronto)  
    PSY2001: Design of Experiments: The  
    General Linear Model

    RSM3091: Affective Science  
2016-2017 (University of Toronto)  
    PSY2001: Design of Experiments: The  
    General Linear Model  
    RSM3091: Structural Equation  
    Modeling  
    RSM3091: Research Methods  
2015-2016 (University of Toronto)  
    PSY2001: Design of Experiments: The  
    General Linear Model  
2014-2015 (University of Toronto)  
    PSY2001: Design of Experiments: The  
    General Linear Model  
    RSM3091: Social Cognition  
2013-2014 (University of Toronto)

RSM3091/PSY5430: Affective Science 2012-2013 (University of Toronto)	2007-2008 (The Ohio State University) PSY873.05 Affective Science
RSM3091: Latent Variable Modeling 2011-2012 (The Ohio State University)	2005-2006 (University of Toronto) PSY5403 Social Cognition
PSY876.05: Affective Science 2010-2011 (The Ohio State University)	PSY2001: Design of Experiments 2004-2005 (University of Toronto)
PSY876.02: Research Tools 2009-2010 (The Ohio State University)	PSY2005: Structural Equation Modeling 2003-2004 (Yale University)
PSY873.05: Functional Magnetic Resonance Imaging	Structural Equation Modeling

### THESES SUPERVISED

- MA (2005), Norman Farb, *Fearing the Worst and Expecting the Best: Regulatory Focus and the Physiological Response to Emotional Information* (2004-2006)
- MA (2006), Amanda Kesek, *The Development of Evaluative Processing in Children* (2005-2006)
- MA (2008), Ingrid Haas, *Beyond left and right: A multidimensional representation of political ideology* (2005-2012)
- PhD (2008), Jay Van Bavel, *Novel self-categorization overrides racial bias: A multi-level approach to intergroup perception and evaluation* (2004-2008)
- MA (2009), Samantha Mowrer, *Regulatory Focus Modulates Reward-Related Neural Activity* (2007-2010)
- MA (2010), Tabitha Kirkland, *Emotion categories reflect affective trajectories through time* (2008-2015)
- PhD (2011), Nathan Arbuckle, *Exploring the Conflict between Self-Interest and Concern for Others* (2009-2011)
- PhD (2012), Ingrid Haas, *The Context-Dependent Nature of Uncertainty: Responses to Uncertainty are Moderated by the Presence or Absence of Threat* (2005-2012)
- MA (2013), Vincent Man, *Flexibility in Motivation & Well-being* (2012-2015)
- MA (2015), Christina Hyun-Jung Lee, *Separate and Combined Representations of Positivity and Negativity in the Nucleus Accumbens* (2014-2015)
- PhD (2015), Tabitha Kirkland, *Relationships between positive and negative affect in happiness and hypomania risk* (2008-2015)
- PhD (2015), Paul Stillman, *The Neural Correlates of Temporal Distance Traversal and Level of Construal* (2009-2015)
- MA (2016), Thalia Vratsidis, *Developing a Novel Task to Investigate the Cognitive and Neural Processes Involved in Switching between Multiple Goals* (2015-2016)
- PhD (2016), Hans Melo, *Evidence Accumulation Drives Policy Change in Decision Making* (2013-2016)
- PhD (2017), Jessica Hughes, *Decomposing Trait and State Aspects of Regulatory Focus in Daily Life* (2013-2017)
- MA (2017), John Matthew Tennant (Co-advised), *It's not you, it's me: Sex, context, and*

*individual differences in experimental partner choice (2016-2017)*

- PhD (2018), Vincent Man, *Neural mechanisms of goal-directed decision strategies under shifting contexts (2012-2018)*
- MA (2018), Suraiya Allidina, *Stereotype maintenance through approach-contingent information gain (2017-2018)*
- MA (2018), Nathan Wheeler, *Socio-Structural inference in Stereotype and Impression Formation (2017-2018)*
- MA (2020), Rebekah Gelpi, *Predicting incremental hypothesis revision across development using rational process models (2019-2020)*
- MA (2020), Elizabeth Long, *Abstract reasoning and mentalizing in person representations of close vs. far others (2019-2020)*
- PhD (2020), Victor Swift, *Validating Word Embedding as a Tool for the Psychological Sciences (2019-2020)*
- MA (2021), Anthony Romyn, *Social-Cognitive Constraints Moderate the Effects of Motivation on Social Category Learning (2019-2021)*
- PhD (2021), Thalia Vratsidis, *Normative Approaches to understanding Stereotyping and Group-based Inferences (2017-2021)*

## **E. ADMINISTRATIVE POSITIONS**

### *University of Toronto*

- Member, Budget committee, 2021-current
- Member, Appointments committee, 2021-current
- Interim review committee, 2021-current
- Co-coordinator, Social-Personality Research Group, 2021-current
- Undergraduate thesis appraiser, 2021-current
- Chair, School of Graduate Studies Dissertation, 2021-current
- Provosts Assessor, 2021-current
- Interviewer, University of Toronto National Scholar, 2021-current
- Reviewer, France Canada Research Fund, New Collaborations Program, 2018-2020
- Promotions committee, 2018-current
- Member, fMRI Executive Committee (and Policy Committee), 2017-current
- Member, University of Toronto Statistics Job Search, 2019-2020
- Member, Awards Committee, 2016-2018, 2019-current
- Policy committee chair, fMRI facility, 2016
- Chair, University of Toronto Developmental Job Search, 2014-2015
- Behavioural Sciences Curriculum Committee; Rotman; 2013-2015
- Member, Mind, Brain, Behaviour Hive; Rotman; 2013-2020
- Member, University of Toronto Social Psychology CRC Job Search, 2013-2014, 2019-2020
- Member, University of Toronto Cognitive Job Search, 2012-2013, 2013-2014, 2015-2016, 2016-2017

- BOLD fMRI Committee, 2012-2014
- Member, Methods task force; 2005-2006
- Co-chair, Psychology subject pool; 2005-2006
- Co-chair, University of Toronto Colloquium Series, 2004-2005; 2005-2006
- Member, University of Toronto Human Neuroscience CRC Job Search; 2004-2005
- Social Sciences and Humanities Ethics Review Board; 2004-2006
- Member, University of Toronto Personality Job Search; 2004-2005

*The Ohio State University*

- Chair: Human Neuroscience Search Committee, 2010 – 2011
- Member, Integrative Neuroscience Search Committee, 2008 – 2009
- Member, Integrative Neuroscience Advisory Committee, 2008 – 2009
- Member, Research Experience Participation Committee, 2008 – 2009
- Member, REP Committee, 2008
- Member, TIE Health Search Committee, 2007 – 2008
- Member, Equipment Committee, 2006 – 2011
- Member, Clinical Search Committee, 2006 – 2007