

Keith A. Hutchison

Curriculum Vitae

PERSONAL INFORMATION

Mailing Address: Department of Psychology
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EDUCATION

Postdoctoral Research Associate, Cognitive Psychology Laboratory, Dept. of Psychology, Washington University, St. Louis, MO.

Ph.D. Cognitive Psychology (2001), State University of New York, Albany, NY.

M.A. Psychology: Research Option (1996), California State University, Long Beach, CA.

B. A. Psychology (1994), California State University, Long Beach, CA.

PROFESSIONAL EMPLOYMENT

2018–present: Associate Editor, JEP: LMC.

2015-present: Professor of Psychology, MSU.

2014-2020: Chair, Department of Psychology, MSU.

2010-2011: Interim Chair, Department of Psychology, MSU.

2009-2015: Associate Professor of Psychology, MSU.

2003-2008: Assistant Professor of Psychology, MSU.

2001-2003: Postdoctoral Research Associate with Dr. David Balota, Cognitive Psychology Laboratory, Dept. of Psychology, Washington University, St. Louis.

1997-2001: Graduate Research Assistant for Dr. James Neely and Dr. W. Trammell Neill, University at Albany, State University of New York.

HONORS AND AWARDS

Award for Excellence, Montana State University, 2016.

Psychonomic Society: Fellow Status, 2005.

Psi Chi Association “Professor of the year” award, Montana State University, 2004-05.

RESEARCH INTERESTS

Attention, explicit and implicit memory, language, cognitive effects of aging and Alzheimer’s disease.

GRANT ACTIVITY

External Funding

2021-2023	Monfort, S. (PI), Co-I’s Grooms, D., Becker, J., & Hutchison, K.A. National Institute of Health, R03. <i>Cognitive-motor dual tasks to improve rehabilitation after Anterior cruciate ligament reconstruction.</i>	\$291,957
2009-2010	Hutchison, K.A. (PI) NSF Supplemental Funding	\$5,302
2006-2009	Hutchison, K.A. (PI) and Balota, D.A. (Co-PI) National Science Foundation: <i>The construction and utility of a large-scale semantic priming database.</i>	\$223,143
External Funding Total:		\$520,402

Internal Funding

2021-2022	Hutchison, K.A. (PI), Scott, B. (Co-PI), and Hood, A.V.B (Co-PI). Research Expansion Funds. <i>Heart rate variability biofeedback: A potential training mechanism to improve attentional control</i>	\$30,000
Fall, 2013	Faculty Excellence Grant	\$2,630
Fall, 2012	Research Enhancement Award	\$1,310
Fall, 2011	Research Enhancement Award	\$1,243
Fall, 2009	Research Enhancement Award.	\$1,370
2008-2009	Hutchison, K.A. (PI) and Meade, M.L.(PI). <i>Scholarship and Creativity Award: Memory and Aging</i>	\$3,000
Fall, 2007	Research Enhancement Award.	\$1,187
Fall, 2006	Research Enhancement Award.	\$1,084
Spring, 2006	Research Enhancement Award.	\$833
Fall, 2005	Research Enhancement Award.	\$1,093
Spring, 1999	Graduate Research Initiative, SUNY: Albany	\$500
Internal Funding Total:		\$44,250

External Grants under Review

Collaborative Research: Increasing parasympathetically-mediated heart rate variability increases attention control through stabilizing locus coeruleus norepinephrine function. PI, with Co-PIs Brandon Scott and Randy Engle (Georgia Tech). 2022-2025. \$409,051

Collaborative Research: Predicting multitasking across sedentary and physically-dynamic conditions: Is multitasking a general construct? PI with Assistant Professor Scott Monfort (MIE) and Georgia Tech Professor Randy Engle. 2021-2024. \$582,063.

External Non-funded Grants

Creating partnerships to enhance Alzheimer's disease research in Montana. (PI: Keith A. Hutchison, Co-PI Michelle Meade). Proposal submitted to Montana Healthcare Foundation, March, 2020. \$24,867

Creating partnerships to enhance Alzheimer's disease research, diagnosis, and outreach in Montana. (PI: Keith A. Hutchison, Co-PI Michelle Meade). Proposal submitted to Montana Healthcare Foundation, May, 2019. \$49,965

Transitions in Control. (PI's: Jason M. Watson and Keith A. Hutchison). Proposal submitted to the Office of Naval Research, October, 2015. \$877,353

To control or not to control? Using individual differences in working memory capacity to explore automation and the resolution of the control dilemma. (PI's: Jason M. Watson and Keith A. Hutchison). Proposal submitted to the National Science Foundation, Aug, 2014. \$546,259

Mitigation of health disparities in Native American youth using nutritional intervention. (PI: Edward Dratz; Co-Investigators Keith A. Hutchison, Michelle L. Meade, & Megkian Doyle). R01 Proposal to National Institute of Health, Oct, 2014 \$1,722,280

Probing cultural cognitive styles: Neuroscience development of the cognitive styles appraisal test. Dien, J. (PI), Hutchison, K.A., (Co-PI), & Green, A. (Co-PI). Submitted to National Science Foundation, August 2013. \$871,260

PUBLICATIONS

Peer-Reviewed Journals (* = student coauthor)

Hood*, A.V.B., Hart*, K.M., Marchak, F.M., & Hutchison, K. A. (in press). Patience is a virtue: Individual differences in cue-evoked pupil responses under temporal certainty. *Attention, Perception, & Psychophysics*.

Reed*, C.A., Hutchison, K.A., Huppert, T.J., & Monfort, S. (in press). Influence of cognitive perturbations on transient characteristics of quiet stance postural control. *Human Movement Science*.

Fischer*, P.D., Hutchison, K. A., Becker, J.N., & Monfort, S.M. (2021). Evaluating the spectrum of cognitive-motor relationships during dual-task jump-landing. *Journal of Applied Biomechanics*, 37, 388-395.

Hood*, A.V.B., & Hutchison, K. A. (2021). Providing goal reminders eliminates the relationship between working memory capacity and Stroop errors. *Attention, Perception, & Psychophysics*, 83, 85-96.

Whillock*, S.R., Meade, M.L., Hutchison, K.A., & Tsosie*, M.D. (2020). Collaborative inhibition in same-age and mixed-age dyads: The role of collaborative process variables. *Psychology and Aging*, 35, 963-973.

Hutchison, K. A., *Moffitt, C.C., *Hart, K., *Hood, A.V.B., Watson, J.M., & Marchak, F. (2020). Measuring task set preparation versus mind wandering using pupillometry. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46, 280-295.

Monfort, S., Grooms, D., Onate, J., Chaudhari, A., Hutchison, K.A., & Pradarelli, J. (2019). Visual-spatial memory deficits are related to increased knee valgus angle during a sport-specific sidestep cut. *American Journal of Sports Medicine*. 47, 1488-1495.

*Maldonado, T, *Anderson, D.M., Marchak, F., & Hutchison, K. A. (2018). The role of working memory capacity and cognitive load in producing lies for autobiographical information. *Journal of Applied Research in Memory and Cognition*, 7, 574-586.

Heyman, T., Bruninx, A., Hutchison, K.A., & Storms, G. (2018). The (un)reliability of item-level semantic priming effects. *Behavior Research Methods*, 50, 2173-2183.

Hutchison, K.A., Meade, M.L., *Williams, N.S., *Manley, K.D., & *McNabb, J.C. (2018). How do associative and phonemic overlap interact to boost illusory recollection? *Memory*, 26, 664-671.

Heyman, T., Goossens, K., Hutchison, K.A., & Storms, G. (2017). Does a working memory load really influence semantic priming? A self-replication attempt. *Collabra*, 3,18, DOI: <https://doi.org/10.1525/collabra.96>

*Heyman, T., Hutchison, K.A., & Storms, G. (2016). Is semantic priming (ir)rational? Insights from the speeded word fragment completion task. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 42, 1657-1663.

Huff, M.J., Balota, D.A., & Hutchison, K.A (2016). The costs and benefits of testing and guessing on recognition memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 42, 1579-1572.

Hutchison, K.A., Bugg, J., Lim, Y.B., & *Olsen, M.R. (2016). Congruency Pre-Cues Moderate Item-Specific Proportion Congruency Effects. *Attention, Perception, & Psychophysics*, 78, 1087-1103.

*Heyman, T., Van Akeren, L., Hutchison, K.A., & Storms, G. (2016). Filling the gaps: A speeded word fragment completion megastudy. *Behavior Research Methods*, 48, 1508-1527.

*Heyman, T., Hutchison, K.A., De Deyne, S., & Storms, G. (2016). Uncovering underlying processes of semantic priming by correlating item-level effects. *Psychonomic Bulletin & Review*, *23*, 540-547.

Coane, J.H., Huff, M.J., & Hutchison, K.A. (2016). The ironic effect of guessing: Increased false memory for mediated lists in younger and older adults. *Aging, Neuropsychology, and Cognition*, *23*, 282-303.

Huff, M.J., *McNabb, J., & Hutchison, K.A. (2015). List blocking and longer retention intervals reveal an influence of gist processing for lexically ambiguous critical lures. *Memory & Cognition*, *43*, 1193-1207.

*Heyman, T., De Deyne, S., Hutchison, K.A., & Storms, G. (2015). Using the speeded word fragment completion task to examine semantic priming. *Behavior Research Methods*, *47*, 580-606.

*Heyman, T., Rensbergen, B. V., Storms, G., Hutchison, K.A., & De Deyne, S., (2015). The influence of working memory load on semantic priming. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *41*, 911-920.

Hutchison, K.A., *Heap, S.J., Neely, J.H., & Thomas, M.A. (2014). Attentional control and asymmetric associative priming. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*, 844-856.

Hutchison, K. A., Balota, D. A., Neely, J. H., Cortese, M. J., *Cohen-Shikora, E. R., Tse, C-S, Yap, M. J., *Bengson, J. J., Niemeyer, D. & Buchanan, E. (2013). The semantic priming project. *Behavior Research Methods*, *45*, 1099-1114.

Buchanan, E. M., Holmes, J. L., Teasley, M. L., & Hutchison, K. A. (2013). An expanded set of semantic feature production norms for 1,808 words along with a searchable web portal. *Behavior Research Methods*, *45*, 746-757.

Bugg, J. & Hutchison, K.A. (2013). Converging Evidence for Control of Color-Word Stroop Interference at the Item Level. *Journal of Experimental Psychology: Human Perception and Performance*, *39*, 433-449.

Hutchison, K.A., Smith, J.L., & *Ferris, A. (2013). Goals can be threatened to extinction: Stereotype threat, working memory capacity, and proportion congruence effects in the Stroop task. *Social Psychology and Personality Science*, *4*, 75-82.

*Huff, M.J., Coane, J., Hutchison, K.A., Grasser, E.B., & Blais, J.E. (2012). Interpolated task effects on direct and mediated false recognition: Effects of initial recall, recognition, and the ironic effect of guessing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *6*, 1720-1730.

Hutchison, K.A. (2011). The interactive effects of list-based control, item-based control, and working memory capacity on Stroop performance. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *37*, 851-860.

Tse, C-S, Hutchison, K.A., & Li, Y. (2011). Effects of contextual similarity and target-repetition proportion on negative priming in RT distributional analyses. *Journal of Experimental Psychology: Human Perception and Performance*, 37, 180-192.

*Huff, M.J., & Hutchison, K.A. (2011). The effects of mediated word lists on false recall and recognition. *Memory & Cognition*, 39, 941-953.

*Huff, M.J., Meade, M.L., & Hutchison, K.A. (2011). Age-related differences in guessing on free and forced recall tests. *Memory*, 19, 317-330.

Hutchison, K. A., Balota, D. A., & Duchek, J. M. (2010). The utility of Stroop task switching as a marker for early stage Alzheimer's Disease. *Psychology and Aging*, 25, 545-559.

Balota, D. A., Tse, C. S., Hutchison, K.A., Spieler, D.H., Duchek, J.M., & Morris, J.C. (2010). Predicting conversion to dementia of the Alzheimer's type in a healthy control sample: The power of Stroop performance. *Psychology and Aging*, 25, 208-218.

Meade, M. L., Hutchison, K. A., & *Rand, K. (2010). Effects of delay and number of related list items on implicit activation for DRM critical items in a speeded naming task. *Journal of Memory and Language*, 62, 302-310.

Hutchison, K. A., Balota, D. A., Cortese, M., & Watson, J. M. (2008). Predicting semantic priming at the item-level. *Quarterly Journal of Experimental Psychology*, 61(7), 1036-1066.

Balota, D. A., Yap, M. J., Cortese, M. J., Hutchison, K.A., Kessler, B., Loftus, B., Neely, J. H., Nelson, D. L., Simpson, G. B., & Treiman, R. (2007). The English lexicon project: A user's guide. *Behavior Research Methods*, 39 (3), 445-459.

*Bengson, J. J. & Hutchison, K. A. (2007). Variability in response criteria affects estimates of conscious identification and unconscious semantic priming. *Consciousness and Cognition*, 16, 785-796.

Castel, A. D., Balota, D. A., Hutchison, K. A., Logan, J. M., & Yap, M. J. (2007). Spatial attention and response control in healthy younger and older adults and individuals with Alzheimer's Disease: Evidence for disproportionate selection impairments in the Simon task. *Neuropsychology*, 21(2), 170-182.

Hutchison, K. A. (2007). Attentional control and the relatedness proportion effect in semantic priming. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 33(4), 645-662.

Hutchison, K. A., & *Bosco, F.A. (2007). Congruency effects in the letter search task: Semantic activation in the absence of priming. *Memory & Cognition*, 35 (3), 514-525.

Hutchison, K. A., & Balota, D. A. (2005). Decoupling semantic and associative information in false memory: Explorations with semantically ambiguous and unambiguous critical lures. *Journal of Memory and Language*, 52, 1-28.

- Hutchison, K. A., Neely, J. H., Neill, W. T., & Walker, P. (2004). Lexical and sub-lexical contributions to unconscious identity priming. *Consciousness and Cognition*, *13*(3), 512-538.
- Hutchison, K. A. (2003). Is semantic priming due to association strength or feature overlap? A micro-analytic review. *Psychonomic Bulletin and Review*, *10*(4), 785-813.
- Hutchison, K. A., & Balota, D. A. (2003). Structure vs. processing deficits in Alzheimer's disease: A matter of degree. *Neuropsychology*, *17*(2), 306-309.
- Hutchison, K. A. (2002). The effect of asymmetrical association on positive and negative semantic priming. *Memory & Cognition*, *30*(8), 1263-1276.
- Neill, W. T., Hutchison, K. A., Graves, D. F. (2002). Masking by object substitution: Dissociation of masking and cuing effects. *Journal of Experimental Psychology: Human Perception and Performance*, *28*, 682-694.
- Neill, W. T., Neely, J. H., Hutchison, K. A., Kahan, T. H., & VerWys, C. A. (2002). Repetition blindness, forward and backward. *Journal of Experimental Psychology: Human Perception & Performance*, *28*, 137-149.
- Hutchison, K. A., Neely, J. H., & Johnson, J. D. (2001). With great expectations, can two "wrongs" prime a "right"? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *27*, 1451-1463.
- Johnson, J. D., Hutchison, K. A., & Neill, W. T. (2001). Attentional capture by irrelevant color singletons. *Journal of Experimental Psychology: Human Perception and Performance*, *27*, 841-847.
- Hupka, R. B., Lenton, A. P., & Hutchison, K. A. (1999). Universal development of emotion lexicons in natural language. *Journal of Personality and Social Psychology*, *77*, 247-278.

Book Chapters

- Yap, M. J., Hutchison, K.A., & Tan, L. C. (2017). Individual differences in semantic priming performance: Insights from the Semantic Priming Project. In Michael Jones (Ed). *Big data in cognitive science: From methods to insights*. Psychology Press.
- Balota, D. A., Yap, M. J., Hutchison, K.A., & Cortese, M. J. (2012). Megastudies: Large scale analysis of lexical processes. In James S. Adelman (Ed). *Visual Word Recognition Vol. 1: Models and Methods, Orthography and Phonology*. London: Psychology Press.

Popular Media

- Hutchison, K.A. (2013). What big data can teach us about language? *Huffington Post*.

Manuscripts under Review

Hood*, A.V.B., Whillock*, S.R., Meade, M.L., & Hutchison, K. A. (accepted, pending minor revision). Does collaboration help or hurt recall? The answer depends on working memory capacity. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Gonzalez-Espinar, Ortells, J.J., Sanchez-Garcia, L., Montoro, P.R., & Hutchison, K. A. (under review). Exposure to nature-related environments improves performance in a visuospatial working memory task. *Journal of Environmental Psychology*.

PRESENTATIONS

Keynote Addresses

Hutchison, K. A. (2017, November). *Attentional (and implicit) control of behavior: Evidence from the Stroop effect*. Keynote address for Southeastern Idaho Psi Chi Research Conference, Pocatello, ID.

Hutchison, K. A. (2013, May). *Interactive effects of attentional control, list context, and item-type on semantic priming*. Keynote address for 12th annual Psycholinguistics in Flanders conference, Leuven, Belgium.

Invited Academic Talks

Hutchison, K. A. (2017, April). *The role of working memory capacity and cognitive load in deception*. Ellis-Battig Memorial Symposium at the Rocky Mountain Psychological Association convention: Salt Lake City, UT.

Hutchison, K. A. (2013, November). *Cuing proactive control in semantic priming, Stroop, and Erikson Flanker Tasks*. Washington University in St. Louis.

Hutchison, K. A. (2010, October). *How do list context and attentional control influence word recognition and Stroop color naming performance in young adults?* Colby College: Lewiston, ME.

Hutchison, K. A. (2006, April). *Attentional control and the semantic priming effect*. Ellis-Battig Memorial Symposium at the Rocky Mountain Psychological Association convention: Park City, UT.

Invited Local Outreach Talks

Hutchison, K. A. (2020, October). *Attention and cognitive control of behavior*. MSU's "Wonderlust" speaker series. Hagar Auditorium, Museum of the Rockies, Bozeman, MT.

Hutchison, K. A. (2019, December). *Attention and cognitive control of behavior*. MSU Honors Presents Lecture Series. Bozeman, MT.

Hutchison, K. A. (2018, February). *Controlling attention*. Invited talk for Aspen Pointe Senior Living Facility. Bozeman, MT.

Hutchison, K. A. (2016, May). *Age and controlled attention*. MSU's "Wonderlust" speaker series. Belgrade public library, Belgrade, MT.

Hutchison, K. A. (2015, October). *Controlling attention*. MSU's "Wonderlust" speaker series. Hagar Auditorium, Museum of the Rockies, Bozeman, MT.

Hutchison, K. A. (2015, September). Invited discussion leader for the "Empower your Potential" discussion for Active Aging Week. Bozeman, MT.

Hutchison, K. A. (2015, May). *Changes in attention and memory in healthy aging and Alzheimer's disease: Challenges, discoveries, and tips*. Invited talk for the Gallatin Valley Council on Aging: Bozeman, MT.

Hutchison, K. A. (2014, January). *Cognitive control and the frontal lobes*. Invited talk for Mt. Ellis Academy: Bozeman, MT.

Hutchison, K. A. (2013, April). *Attention and memory processes in young adults, older adults, and individuals diagnosed with Alzheimer's dementia*. Invited speaker and discussion leader for "Distinctive Dialogues: An evening supporting the MSU library."

Hutchison, K. A. (2011, February). *Frontal lobe contributions to cognition*. Invited talk for Mt. Ellis Academy: Bozeman, MT.

Hutchison, K. A. & Meade, M. L. (2009, February). *Memory and aging: Implications for improving memory performance among older adults*. Invited talk for Aspen Pointe Senior Living Facility: Bozeman, MT.

Hutchison, K. A. & Meade, M. L. (2007, August). *An overview of memory and aging*. Bozeman Senior Center: Bozeman, MT.

Conference Spoken Presentations (* = student)

*Bertozzi, F., Hutchison, K.A., Fischer, P.D., & Monfort, S.M (2022, April). *How do fatigue and cognitive performance relate to knee mechanics during unanticipated landings?* World Congress of Biomechanics, Taipei, Taiwan.

*Fischer, P.D., Hutchison, K.A., Becker, J.N., & Monfort, S.M (2021, July). *How visual and auditory cognitive performance relate to landing mechanics*. American Society of Biomechanics, Virtual Conference.

*Fischer, P.D., Hutchison, K.A., Becker, J.N., & Monfort, S.M (2021, July). *Decoupling the Effects of Visual Constraint and Movement Preplanning on Jump Landing Task Performance*. American Society of Biomechanics, Virtual Conference.

*Heyman, T., Hutchison, K.A., & Storms, G., (2017, November). *The (un)reliability of semantic priming*. Psychonomic Society Conference, Vancouver, BC.

*Heyman, T., Hutchison, K.A., & Storms, G., (2017, September). *The (un)reliability of semantic priming*. Presented at the European Society for Cognitive Psychology, Potsdam, Germany.

*Olsen, M.R., *Powell, S.L., & Hutchison, K.A. (2017, April). *Using probabilistic pre-cues to enhance proactive control: Evidence from Stroop effects, flanker effects, and negative priming*. Attention and Memory Lab Invited talk for Rocky Mountain Psychological Association, Salt Lake City, UT.

*Larson, E., & Hutchison, K.A. (2017, April). *The effects of iClicker bar graph feedback on test performance*. Attention and Memory Lab Invited talk for Rocky Mountain Psychological Association, Salt Lake City, UT.

Hutchison, K.A. & *Maldonado, T. (2017, January). *The role of working memory capacity and cognitive load in deception*. Society for Applied Research in Memory and Cognition conference, Sydney, NSW.

*Heyman, T., Hutchison, K.A., Yap, M., & Storms, G. (2016, November). *Limitations to response time distribution analyses of the semantic priming effect*. Psychonomic Society conference, Boston, MA.

Hutchison, K.A., *Hart, K.M., & *Moffitt, C.C. (2015, April). *Working memory, mind wandering, and pupillometry while preparing eye movements*. Western Psychological Association conference, Las Vegas, NV.

Hutchison, K.A., Bugg, J.M., *Lim, Y. B., & *Olsen, M.R. (2014, November). *Effects of Pre-Cues and Working Memory Capacity Reveal the Interactivity of Proactive and Reactive Control*. Psychonomic Society conference, Long Beach, CA.

Hutchison, K. A., Balota, D. A., Neely, J. H., Cortese, M., *Cohen-Shikora, E., Yap, M., Tse, C-S (2011, November). *The semantic priming project: A mega-study*. Psychonomic Society conference, Seattle, WA.

Bugg, J. & Hutchison, K.A. (2011, November). *Converging evidence for item-specific control of color-word Stroop interference*. Psychonomic Society conference, Seattle, WA.

Hutchison, K. A., Balota, D., & Duchek, J. (2011, June). *The utility of Stroop task switching as a marker for early stage Alzheimer's Disease*. International Conference on Social Sciences, Honolulu, HI.

Hutchison, K. A. (2009, November). *Effects of contingency learning and working memory capacity on Stroop proportion congruence effects*. Psychonomic Society conference, Boston, MA.

Hutchison, K. A. (2007, November). *Attentional control, relatedness proportion, and target degradation effects on semantic priming*. Psychonomic Society conference, Long Beach, CA.

- Balota, D. A., Hutchison, K. A., & Duchek, J. M. (2006, April). *APOE status and attentional control in non-demented healthy older adults*. Cognitive Aging Research, Atlanta, GA.
- Castel, A. D., Balota, D. A., Hutchison, K. A., Logan, J. M., & Yap, M. J. (2006, April). *Attention and response control impairments in Aging and Alzheimer's Disease*. Cognitive Aging Research, Atlanta, GA.
- Hutchison, K. A. (2005, November). *Attentional control and the relatedness proportion effect in semantic priming*. Psychonomic Society conference, Toronto, ON.
- Balota, D. A., Hutchison, K. A., Yap, M., Cortese, M., Neely, J. H., Nelson, D., Simpson, G., Treiman, R. (2003, November). *The English lexicon project: A web-based repository for 40,481 English words and nonwords*. Psychonomic Society conference, Vancouver, BC.
- Hutchison, K. A., Neely, J. H., Neill, W. T., & Walker, P. (2002, May). *Unconscious orthographic and phonological codes in an "Exclusion" task*. "Show Me" conference, St. Louis, MO.
- Hutchison, K. A., Neely, J. H., Neill, W. T., & Walker, P. (2002, May). *Lexical and sub-lexical contributions to unconscious priming*. Midwestern Psychological Association conference, Chicago, IL.
- Neely, J. H., Hutchison, K. A., & Johnson, J. D. (2001, November). *Effects of prime repetition on forward and backward priming in lexical decision and pronunciation tasks*. Psychonomic Society conference, Orlando, FL.
- Neill, W. T., Graves, D. F., & Hutchison, K. A. (2000, November) *Masking by object substitution: Dissociation of masking and cuing effects*. Psychonomic Society conference, New Orleans, LA.
- Karekla, M., Finlay, C. G., Limbird, C., Forsyth, J. P., & Hutchison, K. (2000, November). *Increasing the complexity of differential fear conditioning and its effects on threat-biased processing: Unearthing the causes of Stroop interference*. Association for Advancement of Behavior Therapy, New Orleans, LA.
- Karekla, M., Finlay, C. G., Limbird, C., Forsyth, J. P., Hutchison, K. (2000, November). *Effects of differential fear conditioning on threat-biased processing*. Association for Advancement of Behavior Therapy, New Orleans, LA.
- Neely, J. H., Johnson, J. D., Neill, W. T., & Hutchison, K. A. (1999, November) *Is there memory to be found in "false memory?"* Psychonomic Society conference, Los Angeles, CA.

Conference Poster Presentations (* = student)

- Charbonneau*, B., Hood*, A.V.B., Towner, C., Maoris, A., Hutchison, K.A., & Watson, J.M. (2022, April). *Psychological effects of virtual nature and urban images: A norming study*. Rocky Mountain Psychological Association. Salt Lake City, UT.

Charbonneau*, B., Hood*, A.V.B., & Hutchison, K.A.(2022, April). *Will providing goal reminders reduce the effects of both top-down and bottom-up forms of control?* Western Psychological Association. Portland, OR.

Charbonneau*, B., Hood*, A.V.B., Towner, C., Maoris, A., Hutchison, K.A., & Watson, J.M. (2021, November). *Psychological Experiences and Restorative Characteristics of Virtual Nature and Urban Images: A Replication and Extension*. Psychonomic Society, Virtual.

Hood*, A.V.B., Charbonneau*, B., & Hutchison, K.A.(2021, November). *Name the color, not the word: Stronger evidence that providing goal reminders eliminates the relationship between working memory capacity and Stroop errors*. Psychonomic Society, Virtual.

Hood*, A.V.B., Hart*, K.M., Marchak, F.M., & Hutchison, K. A. (2021, November). *Patience is a virtue: Individual differences in cue-evoked pupil responses under temporal certainty*. Psychonomic Society, Virtual.

Hood*, A.V.B., Scott, B., & Hutchison, K.A. (2021, November). *Heart rate variability as a correlate of working memory capacity*. Psychonomic Society, Virtual.

Charbonneau*, B., Hood*, A.V.B., Towner, C., Maoris, A., Watson, J.M., & Hutchison, K.A. (2021, October 12-14). *Psychological Experiences and Restorative Characteristics of Virtual Nature and Urban Images* Nature and Health Conference, Virtual

Hood*, A.V.B., Hart*, K.M., Marchak, F.M., & Hutchison, K. A. (2021, October). *Patience is a virtue: Individual differences in cue-evoked pupil responses under temporal certainty*. Society for Psychophysiological Research, Virtual.

Hood*, A.V.B., Scott, B., & Hutchison, K.A. (2021, October). *Heart rate variability as a correlate of working memory capacity*. Society for Psychophysiological Research, Virtual.

*Fischer, P.D., Hutchison, K.A., Becker, J.N., & Monfort, S.M (2021, August). *Decoupling Visual Constraint from Unanticipated Directional Cues in a Jump-Landing Task*. American Society of Biomechanics, Virtual.

*Fischer, P.D., Hutchison, K.A., Becker, J.N., & Monfort, S.M (2021, August). *How Visual and Auditory Cognitive Performance Relate to Landing Mechanics*. American Society of Biomechanics, Virtual

Charbonneau*, B., Hood*, A.V.B., Marois*, A., Watson, J.M., & Hutchison, K.A. (2020, November). *Psychological experiences and restorative characteristics of virtual nature and urban images*. Psychonomic Society, Austin, TX.

Hood*, A.V.B., Whillock*, S., Meade, M.L., & Hutchison, K.A. (2020, November). *Does collaboration help or hurt recall? The answer depends on working memory capacity*. Psychonomic Society, Austin, TX.

Welhae*, M., Hood*, A.V.B., Hutchison, K.A., Banks, J., & Boals, A. (2020, November). *Mindfulness, anxiety, mind wandering, and self-reported cognitive functioning: A latent variable examination*. Psychonomic Society, Austin, TX.

*Fischer, P.D., Hutchison, K.A., Becker, J.N., & Monfort, S.M (2020, August). *The effects of working memory and visual attention tasks on neuromuscular control during a sidestep cut*. American Society of Biomechanics, Atlanta, GA

*Fischer, P.D., Hutchison, K.A., Becker, J.N., & Monfort, S.M (2020, August). *Assessing the generalizability of cognitive-motor function across different movements*. American Society of Biomechanics, Atlanta, GA

*Pelakh, A., Kalinowski, S., & Hutchison, K.A. (2020, March). *Heuristics and biases in scientific reasoning*. National Conference of Undergraduate Research, Bozeman, MT.

*Fischer, P.D., Callahan, S. M., Becker, J.N., Hutchison, K.A., & Monfort, S.M (2020, May). *Correlations between dual-task costs versus laboratory movement tests*. American College of Sports Medicine.

*Hood, A.V.B., & Hutchison, K.A. (2019, November). *Providing goal reminders eliminates the relationship between working memory capacity and Stroop errors*. Student Research Celebration, Bozeman, MT.

*Pelakh, A., Kalinowski, S., & Hutchison, K.A. (2019, November). *Heuristics and biases in scientific reasoning*. Student Research Celebration, Bozeman, MT.

*Hawks, T. & Hutchison, K.A. (2019, November). *Transcranial stimulation and attentional control in the antisaccade task*. Psychonomic Society Conference, Montreal, Quebec.

*Calcaterra, R. & Hutchison, K.A. (2019, November). *Backward priming in the go/no-go LDT: Evidence for an automatic semantic matching process*. Psychonomic Society Conference, Montreal, Quebec.

*Hood, A.V.B., & Hutchison, K.A. (2019, November). *Providing goal reminders eliminates the relationship between working memory capacity and Stroop errors*. Psychonomic Society Conference, Montreal, Quebec.

*Fischer, P.D., Hutchison, K.A., Becker, J.N., & Monfort, S.M (2019, August). *Multitasking strategy associates with knee abduction angle during cognitively-challenging jump landing*. International Society of Biomechanics, Calgary, AB

*Fischer, P.D., Hutchison, K.A., & Monfort, S.M (2019, August). *Visually-demanding secondary tasks associate with decreased knee flexion during a jump landing task*. International Society of Biomechanics, Calgary, AB

*Fischer, P.D., Hutchison, K.A., Becker, J.N., & Monfort, S.M (2019, June). *Cognitive effects of varying types of distractions on athletic performance and their associations with cognitive abilities*. National Athletic Trainer's Association Conference, Las Vegas, NV.

*Calcaterra, R. & Hutchison, K.A. (2019, May). *Backward priming relies on a consciously identified prime*. Association for Psychological Science, Washington DC.

*Callahan, S.M., Fischer, P.D., Becker, J.N., Hutchison, K.A., & Monfort, S.M (2019, May). *Correlations between dual-task impairments in lab versus clinic-based movement tests*. Northwest Biomechanics Symposium, Bozeman, MT.

Millar, P.R., Balota, D.A., Nicosia, J.L., Hutchison, K.A., & Duchek, J.M. (2018, November). *Task-switching Stroop performance is sensitive to subtle attentional declines in healthy aging, preclinical, and very mild Alzheimer disease*. Psychonomic Society Conference, New Orleans, LA.

*Hood, A.V.B., Banks, J.B., & Hutchison, K.A. (2018, November). *Working memory capacity and dissociations of emotional valence and intensity on subjective and objective reports of mind wandering*. Psychonomic Society Conference, New Orleans, LA.

*Calcaterra, R. & Hutchison, K.A. (2018, November). *Decreasing semantic matching ironically boosts backward priming*. Psychonomic Society Conference, New Orleans, LA.

Hutchison, K.A., Bart*, T., Hart*, K., Maldonado*, T., & Marchak, F. (2018, May). *Attentional control, cognitive load, and reaction time for truthful and deceptive responses*. Association for Psychological Science Conference, San Francisco, CA.

*Bart, T., Hart, K., Maldonado, T., & Hutchison, K.A. (2017, November). *Working memory capacity, cognitive load, and reaction time for truthful and deceptive responses*. Southeastern Idaho Psi Chi conference, Pocatello, ID.

*Maldonado, T., & Hutchison, K.A. (2017, January). *Working memory capacity, cognitive load, and deception*. Dallas Aging and Cognition conference, Dallas, TX.

*Moffitt, C., Watson, J.M., & Hutchison, K.A. (2016, November). *Cognitive control gradients and executive attention in a response conflict task*. Presented at the Psychonomic Society conference, Boston, MA.

*Larson, E., & Hutchison, K.A. (2016, November). *The effects of iClicker bar graph feedback on test performance*. Psychonomic Society conference, Boston, MA.

*Heyman, T., & Hutchison, K.A., & Storms, G. (2015, November). *Is Semantic Priming (Ir)rational? Insights from the Speeded Word Fragment Completion Task*. Presented at the Psychonomic Society conference, Chicago, IL.

*Maldonado, T., *Hanger, D.M., & Hutchison, K.A. (2015, November). *The role of working memory capacity and cognitive load in producing and detecting deception*. Presented at the Psychonomic Society conference, Chicago, IL.

*Huff, M.J., Hutchison, K.A., & Balota, D.A. (2015, November). *The Benefits of Testing and Guessing on Recognition Memory*. Presented at the Psychonomic Society conference, Chicago, IL.

Hutchison, K.A., *Hart, K.M., *Moffitt, C.C., & Marchak, F.A. (2015, September). *Measuring task set preparation versus mind wandering using pupillometry*. Talk presented at the European Society for Cognitive Psychology, Paphos, Cyprus.

*Heyman, T., Hutchison, K.A., De Deyne, S., & Storms, G. (2015, May). *Letter task alternative completion experiments*. Psychonomic Society conference, Chicago, IL.

*Heyman, T., Hutchison, K.A., De Deyne, S., & Storms, G. (2015, May). *Is semantic priming (ir)rational? Insights from the speeded word fragment completion task*. Association for Psychological Science, New York, NY.

*Heyman, T., Hutchison, K.A., De Deyne, S., & Storms, G. (2015, March). *Uncovering underlying processes of semantic priming by correlating item-level effects*. International Conference of Psychological Science, Amsterdam, NE.

*Heyman, T., Van Rensbergen, B., Storms, G., Hutchison, K.A., & De Deyne, S. (2014, November). *The influence of working memory load on semantic priming*. Psychonomic Society conference, Long Beach, CA.

*Hart, K.M., *Moffitt, C.C., Watson, J.M., Marchak, F.M., & Hutchison, K.A. (2014, November). *Using pupillometry and thought probes to measure attentional preparation versus mind wandering as a function of task expectancy, delay, and working memory capacity*. Psychonomic Society conference, Long Beach, CA.

*Huff, M.J., *McNabb, J., & Hutchison, K.A. (2014, November). *The meaning is clear after a delay: Effects of delay and blocking on false memory for lexically ambiguous critical items*. Psychonomic Society conference, Long Beach, CA.

Vaccariello*, E.D., Moffitt*, C.C., Watson, J.M., Miller*, A.E., Strayer, D.L., & Hutchison, K.A. (2014, November). *The influence of working memory capacity in resolving the control dilemma*. Psychonomic Society conference, Long Beach, CA.

Heyman*, T., De Deyne, S.D., Hutchison, K.A., & Storms, G. (2014, May). *Using the letter decision task to examine semantic priming*. American Psychological Society conference, San Francisco, CA.

Coane, J., Huff, M. J., Hutchison, K. A., Termonen*, M.L., & MacNamee*, K. (2014, April). *The costs of playing the guessing game: Guessing elevates mediated false recognition in both older and younger adults*. Cognitive Aging conference, Atlanta, GA.

*Olsen, M., & Hutchison, K.A. (2013, November). *Inducing Proactive Control Using a Stroop Cueing Paradigm*. Psychonomic Society conference, Toronto, ON.

*Moffitt, C., & Hutchison, K.A. (2013, November). *Working Memory Differences in Antisaccade Performance: Attentional Preparation or Goal Neglect?* Psychonomic Society conference, Toronto, ON.

- *Powell, S., & Hutchison, K.A. (2013, November). *Predictive Congruency Cues Affect Flanker Interference and Negative Priming*. Psychonomic Society conference, Toronto, ON.
- *Rivers, A.M., *Yosai, E.R., Handley, I.M., Hutchison, K.A., *Stefani, K., *Close, S., & *Riemer, D.J. (2013, January). *Higher working memory does not help judgments reached in the deliberation-without-attention paradigm: Support for an unconscious thought interpretation*. Society of Personality and Social Psychology, New Orleans, LA.
- *Moffitt, C., & Hutchison, K.A. (2012, November). *Effects of fixation duration and working memory capacity on exogenous and endogenous saccade performance*. Psychonomic Society conference, Minneapolis, MN.
- *Beck, B. & Hutchison, K.A. (2012, March). *Subliminal Stroop: A dual account of the subconscious*. National Conference on Undergraduate Research, Ogden, UT.
- *Ferris, A. C., Smith, J. L., & Hutchison, K.A. (2012, January). *Stop interfering! Understanding how stereotype threat reduces working memory capacity by examining dual mechanisms of control*. Society for Personality and Social Psychology conference, San Diego, CA.
- Coane, J., *Huff, M. J., & Hutchison, K. A. (2011, November). *Cry me a beaver: False memory for mediated and direct word lists*. Psychonomic Society conference, Seattle, WA.
- *Winward, S., Hutchison, K. A., Thomas, M., & Neely, J. H. (2011, November). *Attentional control and asymmetric Priming*. Psychonomic Society conference, Seattle, WA.
- *Winward, S., & Hutchison, K. A. (2011, April). *Attentional control and asymmetric priming*. Rocky Mountain Psychological Society conference, Salt Lake City, UT.
- *Huff, M. J., & Hutchison, K. A. (2010, November). *The effects of mediated word lists on false recall and recognition*. Psychonomic Society conference, St. Louis, MO.
- Hutchison, K. A. & *Davis, S. D. (2010, November). *Testing mediated priming using ambiguous and unambiguous mediators: Will “kidney” prime “piano?”* Psychonomic Society conference, St. Louis, MO.
- *Huff, M.J., Meade, M.L., & Hutchison, K.A. (2009, November). *Differential response biases between older and younger adults on recall tests*. Psychonomic Society conference, Boston, MA.
- *Rand, K. & Hutchison, K. A. (2009, November). *The role of cue familiarity in prospective memory performance: Age and false fame effects*. Psychonomic Society conference, Boston, MA.

Tse, C-S, Hutchison, K.A., & Li, Y. (2009, November). *Evidence for episodic retrieval in negative priming revealed by RT distributional analyses*. Psychonomic Society conference, Boston, MA.

O'Connor, P.A., Hutchison, K. A., & Neely, J.H. (2008, November). *Relatedness proportion effects in semantic priming occur even for relatedness proportions below .25*. Psychonomic Society conference, Chicago, IL.

Meade, M. L., Hutchison, K. A., & *Rand, K. (2008, November). *Effects of delay and additivity on implicit activation for DRM critical items in a naming task*. Psychonomic Society conference, Chicago, IL.

Hutchison, K. A., & *Freuen, M. (2007, November). *Support for a dual process model of prospective memory: Effects of memory load, working memory capacity, and asymmetrically associated lures*. Psychonomic Society conference, Long Beach, CA.

*Bengson, J. J., & Hutchison, K. A. (2006, November). *Variability in response criteria affects estimates of conscious identification and semantic exclusion failure*. Psychonomic Society conference, Houston, TX.

*Lambert, A. E., *Shipstead, Z., & Hutchison, K. A. (2006, November). *Duration and warning work independently to reduce false memory in DRM and Homograph lists*. Psychonomic Society conference, Houston, TX.

*Bosco, F. A., Block, R. A., & Hutchison, K. A. (2005, April). *Dual-task interference during incidental and intentional memory encoding*. Western Psychological Association, Portland, OR.

Hutchison, K. A. (2002, November). *The effect of asymmetrical association on positive and negative semantic priming*. Psychonomic Society conference, Kansas City, MO.

Hutchison, K. A. & Balota (2002, November). *Dreaming of semantics in false recall*. Psychonomic Society conference, Kansas City, MO.

Graves, D. F., Hutchison, K. A., & Neill, W. T. (2002, May). *Masking by Object Substitution: Effects of Spatial Overlap* Midwestern Psychological Association conference, Chicago, IL.

Hutchison, K., Neely, J. H., & Johnson, J. D. (2000, May) *With great expectations, can two "wrong"s prime a "right"?* Midwestern Psychological Association, Chicago, Ill.

Altarriba, J. A., Bauer, L. M., & Hutchison, K. A. (1998, November) *Evidence for a circular model of emotion word representation?* Psychonomic Society conference, Dallas, TX.

Hutchison, K. A., & Smith, S. (1997, April). *Judgments of knowledge: effects of accessibility of information, confidence, and group membership on estimates of what other people know*. Western Psychological Association, Seattle, WA.

Smith, W., & Hutchison, K. A. (1997, April). *Self monitoring and perceived self discrepancies across situations*. Western Psychological Association, Seattle, WA.

COURSES TAUGHT

Cognitive Processes (graduate seminar)
 Memory and Cognition
 Psychology of Language
 Psychology of Prejudice
 Research Design and Analysis II
 Senior Thesis
 Sensation & Perception

REVIEWING AND EDITING

Editorial Boards:

Associate Editor, Journal of Experimental Psychology: Learning, Memory & Cognition (2018-2022)

Consulting Editor, Journal of Experimental Psychology: Learning, Memory & Cognition (2013-2017)

Reviewer for articles submitted to 32 different journals:

Acta Psychologica; Attention, Perception, & Psychophysics; Behavior Research Methods; Clinical Neurophysiology; Cognitive, Affective, and Behavioral Neuroscience; Cognition; Cognitive Science; Consciousness & Cognition; Cortex; Dementia and Geriatric Cognitive Disorders; Educational Psychology; European Journal of Cognitive Psychology; Frontiers in Psychology; Journal of Abnormal Psychology; Journal of Cognitive Neuroscience; Journal of Cognitive Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, & Cognition; Journal of Experimental Psychology: Human Perception and Performance; Journal of Memory and Language; Journal of the International Neuropsychological Society; Memory; Memory & Cognition; Neuropsychologia; PLOS One; Psychological Review; Psychological Science; Psychology and Aging; Psychonomic Bulletin & Review; Psychophysiology; Trends in Cognitive Science; Quarterly Journal of Experimental Psychology.

Grant Proposal Reviewer: National Science Foundation, 2005, 2011, 2012

DEPARTMENTAL AND UNIVERSITY SERVICE

Positions

Chair, Department of Psychology 2014-2020

Summer Associate Chair, Department of Psychology 2013

Graduate Program Coordinator, Department of Psychology, 2011-2013

Interim Department Chair, Department of Psychology 2010-2011

Subject Pool Coordinator, Department of Psychology, 2005-2010
 Director for Psi Chi, Undergraduate Honors Society 2006-2007

Committees

Chair, Promotion and tenure committee 2021-2022
 MUS Common Course Numbering Council 2018-2021
 College of Letters and Science budget subcommittee 2014
 Department faculty search committee member 2012-2013
 Chair, Promotion and tenure committee 2011-2012
 Chair, Promotion and tenure committee 2009-2010
 Department chair search committee member 2008-2009
 Department faculty search committee member 2005-2006
 Department faculty search committee member 2004-2005

GRADUATE STUDENT SUPERVISION

Doctoral dissertation supervisor

Brooke Charbonneau, 2019-present
 Audrey Hood, Montana State University, 2017-present
 Mariana Olsen, Montana State University, 2015-2018
 Tom Heyman (co-chair Gert Storms), University of Leuven, Belgium. 2012-2016

External dissertation committee member:

Susan Stevens-Adams, University of New Mexico. Dissertation entitled, *Predicting Individual Differences in False Memory*. May, 2011.

Master's thesis supervisor

Ryleigh Calcaterra, Montana State University, 2017-2019
 Elizabeth Larson, Montana State University, 2015-2017
 Ted Maldonado, Montana State University, 2014-2016
 Suzanna Powell, Montana State University, 2012-2014
 Mariana Olsen, Montana State University, 2012-2014
 Chad Moffitt, Montana State University, 2011-2013
 Shelly Winward, Montana State University, 2010-2012
 Kristina Rand, Montana State University, 2007-2009
 Zach Shipstead, Montana State University, 2005-2007
 Ann Lambert, Montana State University, 2004-2006
 Jesse Bengson, Montana State University, 2003-2005

External thesis committee member:

Alexandra Trani, Georgia Tech. Master's thesis entitled, *Cognitive resource allocation revealed by changes in pupil size*. January, 2016.

PROFESSIONAL MEMBERSHIPS

Association for Psychological Science
American Psychological Association
Psychonomic Society: Fellow
Rocky Mountain Psychological Society
Western Psychological Association