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Employment

2013- Present Professor, Dept. of Psychology, Illinois State University, Normal, IL, USA

2009-2013 Associate Professor; Dept. of Psychology, Illinois State University, Normal, IL, USA

2003- 2009 Assistant Professor; Dept. of Psychology, Illinois State University, Normal, IL, USA

Education

Ph.D., University of Connecticut, Storrs, Connecticut (2004)

Experimental Psychology, Ecological Psychology Program

B.A., Franklin & Marshall College, Lancaster, Pennsylvania (1998)

Psychology, Cum Laude with Departmental Honors

Editorial Boards

- Associate Editor, Ecological Psychology 2016-

Honors and Awards

- Illinois State University Sabbatical Award (Fall 2017)
- Illinois State University Psychology Nominee for Outstanding College Researcher (2016)
- Illinois State University Psychology Department Nominee for Janice Witherspoon Neuleib Award for Outstanding Achievement of the Year by a Tenured Faculty Member (for 2014 and 2015)
- Illinois State University Sabbatical Award (Spring 2011)
- Illinois State University Grant Writing Mentorship Award (2009)
- Illinois State University Research Initiative Award (2006)
- College of Arts and Sciences Research Initiative Award (2006)
- Beckman Institute for Advanced Science and Technology Fellowship (2003, Declined)
- NSF Graduate Research Fellowship, Honorable Mention (1999)
- Phi Beta Kappa (1998, Franklin & Marshall College)

Grants and Fellowships

- Japan Society for the Promotion of Science Invitation Fellowship for Research in Japan (2011)
- Illinois State University Summer Faculty Fellowship (2011, 2007; \$5000)
- Illinois State University Faculty Research Award (2009; \$3000)
- Illinois State University CAS Domestic Travel Grant (2008, 2006)
- Illinois State University CAS International Travel Grant (2016, 2008, 2007)
- Illinois State University Grant Writing Initiative Award (2005, \$3000)
- Illinois State University Pre-Tenure Faculty Initiative Grant (2005, \$2500)
- Illinois State University New Faculty Initiative Grant (2004, \$2500)
- University of Connecticut Doctoral Dissertation Fellowship (2003)
- University of Connecticut Doctoral Dissertation Extraordinary Expense Award (2003)

Publications (Journal Articles) [student co-authors are underlined]

Wagman, J. B., Dayer, A., & Hajnal, A. (accepted pending revision). Heads up! Dynamic similitude for perception with an object wielded by head or hand

[54] Wagman, J. B., Stoffregen, T. A., Bai, J., & Schloesser, D. S. (in press). Perceiving nested affordances for another person's actions. *Quarterly Journal of Experimental Psychology*.

- [53] Thomas, B. J., Wagman, J. B., Hawkins, M., Havens, M., & Riley, M. A. (2016). The independent perceptual calibration of action-neutral and –referential environmental properties. *Perception*.
- [52] Walter, H., Wagman, J. B., Stergiou, N., Erkman, N., & Stoffregen, T. A., (2016). Dynamic perception of dynamic affordances: Walking on a ship at sea. *Experimental Brain Research*
- [51] Wagman, J. B., Langley, M. D., & Farmer-Dougan, V. (in press). Doggone affordances: Canine perception of affordances for reaching. *Psychonomic Bulletin & Review*
- [50] Wagman, J. B., Langley, M. D., & Higuchi, T. (2016). Turning perception on its head: Cephalic perception of whole and partial length of a wielded object. *Experimental Brain Research*
- [49] Wagman, J. B., Caputo, S. E., & Stoffregen, T. A. (2016). Sensitivity to hierarchical relations among affordances in the assembly of asymmetric tools. *Experimental Brain Research*, 234, 2923 – 2933.
- [48] Wagman, J. B., Bai, J., & Smith, P. J. K. (2016). Nesting in perception of affordances for stepping and leaping. *Attention, Perception, & Psychophysics*, 78, 1771-1780.
- [47] Wagman, J. B., Caputo, S. E., & Stoffregen, T. A. (2016). Hierarchical nesting of affordances in a tool use task. *Journal of Experimental Psychology: Human Perception & Performance*, 42, 1627-1642.
- [46] Hajnal, A., Wagman, J. B., Doyon, J. K., & Clark, J. D. (2016) Perception of stand-on-ability: Do geographical slants feel steeper than they look? *Perception*, 45, 768-786.
- [45] Wagman, J. B., & Hajnal, A. (2016). Use your head! Perception of action possibilities by means of an object attached to the head. *Experimental Brain Research*., 243, 829-836.
- [44] Abney, D. H., & Wagman, J. B. (2015). Direct learning in auditory perception: An information space analysis of auditory perceptual learning of object length. *Ecological Psychology*, 27, 335 – 356.
- [43] Wagman, J. B. (2015). As easy to move as a feather: Perception of ‘lightness’ as ‘ease to move.’ *Journal of Motor Behavior*., 47, 340-342.
- [42] Day, B. M., Wagman, J. B., & Smith, P. J. K., (2015). Perception of maximum stepping and leaping distance: Stepping affordances as a special case of leaping affordances. *Acta Psychologica*, 158, 26-35.
- [41] Wagman, J. B., & Hajnal, A. (2014). Task-specificity and anatomical independence in perception of surface properties by means of a wielded object. *Journal of Experimental Psychology: Human Perception & Performance*, 40, 2372- 2391.
- [40] Wagman, J. B., & Hajnal, A. (2014). Getting off on the right (or left) foot: Perceiving by means of an object attached to the preferred or non-preferred foot. *Experimental Brain Research*, 232: 3591-3599.
- [39] Wagman, J. B., Higuchi, T., & Taheny, C. A. (2014). Improvements in perception of maximum reaching height transfer to increases or decreases in reaching ability. *American Journal of Psychology*, 127, 269-279.
- [38] Wagman, J. B., & Day, B. M. (2014). Changes in context and perception of maximum reaching

- height. *Perception*, 43, 129-144
- [37] Yasuda, M., Wagman, J. B., & Higuchi, T. (2014). Can perception of aperture passability be improved immediately after practice in actual passage?: dissociation between walking and wheelchair use. *Experimental Brain Research*, 232, 753-764.
- [36] Wagman, J. B., (2014). Perceiving the future (in a completely non-supernatural way). *F&M Scientist 2014*, 90-113.
- [35] Abney, D. H., & Wagman, J. B., & Schneider, W. J., (2014). Changing grasp position on a wielded object provides self-training for perception of length. *Attention, Perception, & Psychophysics*, 76, 247-254.
- [34] Wagman, J. B., & Abney, D. H. (2013). Is calibration of the perception of length modality independent? *Attention, Perception, & Psychophysics*, 75, 824-829.
- [33] Wagman, J. B., Thomas, B. T., & McBride, D. M., Day, B. M. (2013). Perception of maximum reaching height when the means of reaching are no longer in view. *Ecological Psychology*, 25, 1-18.
- [32] Wagman, J. B., & Abney, D. H. (2012). Transfer of recalibration from audition to touch: Modality independence as a special case of anatomical independence. *Journal of Experimental Psychology: Human Perception & Performance*, 38, 589-602.
- [31] Wagman, J. B. (2012). Perception of maximum reaching height reflects impending changes to reaching ability and improvements transfer to unpracticed reaching tasks. *Experimental Brain Research*, 219, 467-476.
- [30] Fitzpatrick, P., Wagman, J. B., & Schmidt, R. C. (2012). Alterations in movement dynamics in a tool-use task: The role of action-relevant inertial tool properties. *Zeitschrift für Psychologie / Journal of Psychology*, 220, 23-28.
- [29] Wagman, J. B. & Aspel, S. J. (2011). When can an object feel heavier than itself? Perceived heaviness of a wielded object depends on grasp position. *Perception*, 40, 1384-1386.
- [28] Wagman, J. B., & Shockley, K. (2011). Metamers for hammer-with-ability are not metamers for poke-with-ability. *Ecological Psychology*, 23, 76-92.
- [27] Higuchi, T., Murai, G., Kijima, A., Seya, Y., Wagman, J. B., & Imanaka, K. (2011). Athletic experience influences shoulder rotations when running through apertures. *Human Movement Science*, 30, 534-549.
- [26] Wagman, J. B., & Van Norman, E. R. (2011). Transfer of calibration in dynamic touch: What do perceivers learn when they learn about length of a wielded object? *Quarterly Journal of Experimental Psychology*, 64, 889- 901.
- [25] Wagman, J.B., & Morgan, L. L. (2010). Nested prospectivity in perception: Perceived maximum reaching height reflects anticipated changes in reaching ability. *Psychonomic Bulletin & Review*, 17, 905-909.
- [24] Cabe, P. A., & Wagman, J. B. (2010). Characterizing perceptual learning using regression statistics: Development of a perceptual calibration index. *American Journal of Psychology*, 123, 253-267.
- [23] Wagman, J. B. (2010). What is responsible for the emergence of order and pattern in

- psychological systems? *Journal of Theoretical and Philosophical Psychology*, 30, 32-50.
- [22] Wagman, J. B., & Malek, E. A. (2009). Geometric, kinetic-kinematic, and intentional constraints influence willingness to pass under a barrier. *Experimental Psychology*, 56, 409 – 417.
- [21] Wagman, J. B., Carello, C., Schmidt, R. C., & Turvey, M. T. (2009). Is perceptual learning unimodal? *Ecological Psychology*, 21, 37-67.
- [20] Malek, E. A., & Wagman, J. B. (2008). Kinetic potential influences visual and remote haptic perception of affordances for standing on an inclined surface. *Quarterly Journal of Experimental Psychology*, 61, 1813-1826.
- [19] Regia-Corte, T., & Wagman, J. B. (2008). Perception of affordances for standing on an inclined surface depends on height of center of mass. *Experimental Brain Research*, 191, 25-35.
- [18] Wagman, J. B., McBride, D. M., & Trefzger, A. J. (2008). Perceptual experience and post-test improvements in perceptual accuracy and consistency. *Perception & Psychophysics*, 70, 1060-1067.
- [17] Wagman, J. B. (2008). Perception-action as reciprocal, continuous, and prospective. *Behavioral and Brain Sciences*, 31, 219-220.
- [16] Wagman, J. B., & Malek, E. A. (2008). Perception of affordances for walking under a barrier from proximal and distal points of observation. *Ecological Psychology*, 20, 65-83.
- [15] Wagman, J. B., Zimmerman, C., & Sorric, C. (2007). Which feels heavier—a pound of lead or a pound of feathers? A potential perceptual basis of a cognitive riddle. *Perception*, 36, 1709-1711.
- [14] Wagman, J. B. (2007). Socially nested reciprocities in perception-action and development. *European Journal of Developmental Science*, 1, 227-230.
- [13] Wagman, J. B., & Malek, E. A. (2007). Perception of whether an object can be carried through an aperture depends on anticipated speed. *Experimental Psychology*, 54, 54-61.
- [12] Carello, C., & Wagman, J. B. (2006). Symmetry and Duality: Principles for an Ecological Psychology II. *Ecological Psychology*, 18, 239-242.
- [11] Wagman, J. B., & Taylor, K. R. (2005). Perceiving affordances for aperture crossing for the person-plus-object system. *Ecological Psychology*, 17, 105-130.
- [10] Wagman, J. B., & Taylor, K. R. (2005). Perceived arm posture and remote haptic perception of whether an object can be stepped over. *Journal of Motor Behavior*, 37, 339-342.
- [9] Wagman, J. B., & Taylor, K. R. (2004). Chosen striking location and the user-tool-environment system. *Journal of Experimental Psychology: Applied*, 10, 267-280.
- [8] Wagman, J. B. & Carello, C. (2003). Haptically creating affordances: The user-tool interface. *Journal of Experimental Psychology: Applied*, 9, 175-186.
- [7] Wagman, J. B. & Miller, D. B. (2003). Nested reciprocities: The organism-environment system in perception-action and development. *Developmental Psychobiology*, 42, 317-334.
- [6] Wagman, J. B., & Miller, D. B. (2003). The womb and the skin as false boundaries in perception-

action and development: A response. *Developmental Psychobiology*, 42, 362-367.

- [5] Riley, M. A., Wagman, J. B., Carello, C., Santana, M V., & Turvey, M.T. (2002). Perceptual behavior: Recurrence analysis of a haptic exploratory procedure. *Perception*, 33, 481-510.
- [4] Wagman, J. B. (2002). Symmetry for the sake of symmetry or symmetry for the sake of behavior? *Behavioral and Brain Sciences*, 25, 423-424.
- [3] Shaw, R.E. & Wagman, J. B. (2001). Explanatory burdens and natural law: invoking a field description of perception-action. *Behavioral and Brain Sciences*, 24, 905-906.
- [2] Wagman, J. B. & Carello, C. (2001). Affordances and inertial constraints on tool use. *Ecological Psychology*, 13, 173-195.
- [1] Wagman, J. B., Shockley, K., Riley, M. A., & Turvey, M. T. (2001) Attunement, calibration, and exploration in fast haptic perceptual learning. *Journal of Motor Behavior*. 33, 323-327.

Publications (Edited Books)

Wagman, J. B. & Pagano, C. (Eds) (2009). *Studies in Perception and Action X. Proceedings from the Fifteenth International Conference on Perception and Action*. New York: Taylor and Francis Group.

Publications (Book Chapters and Reviews) [student co-authors are underlined]

- [11] Wagman, J. B. (2016). Is time merely a ghost? A review of *The Psychology of Time Perception*. (ISBN 978-1-137-40882-2) by John Weardon. *PsyCRITIQUES* 61 (43)
- [10] Wagman, J. B. (2016). The relative dangers of charging bulls and paintings of charging bulls. A review of *Art and Illusionists*. (ISBN 978-3-319-25227-8) by Nicholas Wade. *PsyCRITIQUES* 61 (25)
- [9] Wagman, J. B. (2015). Taking the other Cinderella to the ball. A review of *Psychology of Touch and Blindness* (ISBN 978-1-84872-653-6) by Morton A. Heller and Edouard Gentaz. *IEEE Transactions on Haptics*, 8, 339-340.
- [8] Wagman, J. B. (2015). Toward a more fiscally responsible theory of visual perception. A review of *The Innocent Eye: Why Vision is Not a Cognitive Process* (ISBN 978-0-19-937503-5) by Nico Orlandi. *PsyCRITIQUES* 59(51).
- [7] Wagman, J. B. (2014). Moving beyond the static: Making the complex perceivable. A review of *Coming to Our Senses: Perceiving Complexity to Avoid Catastrophes* (ISBN 978-0-19-998858-7) by Vicki McCabe. *PsyCRITIQUES* 59(34).
- [6] Wagman, J. B., & Chemero, A. (2014). The End of the Debate over Extended Cognition. In T. Solymosi & J. Shook (Eds.). *Neuroscience, Neurophilosophy, and Pragmatism: Understanding Brains at Work in the World*. (New Directions in Philosophy and Cognitive Science) (pp. 105 - 124). Hampshire, UK: Palgrave Macmillan.
- [5] Wagman, J. B. (2011). A presentation (but not representation) of an alternative approach to visual perception. A review of *Why we see what we do redux: A wholly empirical theory of vision* (ISBN 978-0-87893-596-3) by Dale Purves and R. Beau Lotto. *PsyCRITIQUES*, 56(25).

- [4] Wagman, J. B. (2009). Aligning psychology with the physical and biological sciences. A review of Dynamical Psychology: Complexity, Self-Organization, and Mind (ISBN 978-0-9817032-9-9) by Jay Friedenber. *PsyCRITIQUES*, 54(45).
- [3] Carello, C., & Wagman, J. B. (2009). Mutuality in the Perception of Affordances and the Control of Movement. In D. Sternad (Ed.). *Progress in Motor Control: A Multidisciplinary Perspective*. (pp. 271-289). New York: Springer.
- [2] Hitt, J. L., Alferink, L. A., Critchfield, T. S., & Wagman, J. B. (2007). Choice behavior expressed in elite sport competition: Predicting shot selection and game outcomes in college basketball. In F. Columbus (Ed.). *Psychology of motivation* (pp 79 -91). Hauppauge, NY: Nova Science Publishers.
- [1] Carello, C., Wagman, J. B., & Turvey, M. T. (2005). Acoustic Specification of Object Properties. In J. Anderson & B. Anderson (Eds). *Moving Image Theory: Ecological Considerations* (pp. 79 - 104). Carbondale, IL: Southern Illinois Press.

Publications (Conference Proceedings) [student co-authors are underlined]

- [20] Bai, J., Carten, A., Wagman, J. B., Smith, P. J. K., & Day, B. M. (2015). Connecting the dots in perception of affordances for stepping. In J. Weast-Knapp, M. Malone, & D. Abney (Eds.). *Studies in Perception and Action XIII. Proceedings from the Eighteenth International Conference on Perception and Action*. (pp. 175-178). New York: Taylor and Francis Group.
- [18] Schloesser, D. S., Wagman, J. B., & Abney, D. H. (2015). Flip this rod: Changing grasp position can recalibrate perception of length by dynamic touch. In J. Weast-Knapp, M. Malone, & D. Abney (Eds.). *Studies in Perception and Action XIII. Proceedings from the Eighteenth International Conference on Perception and Action*. (pp. 149 -152). New York: Taylor and Francis Group.
- [17] Wagman, J. B., Stoffregen, T. A., & Caputo, S. E. (2015). Build your own tool: The what, why and how of a nested tool-making task. . In J. Weast-Knapp, M. Malone, & D. Abney (Eds.). *Studies in Perception and Action XIII. Proceedings from the Eighteenth International Conference on Perception and Action*. (pp. 211-214). New York: Taylor and Francis Group.
- [16] Hajnal, A., Wagman, J. B., Bunch, D. A., & Doyon, J. K. (2014). Do geographical slants feel steeper than they look? *Journal of Vision*, 14, 1357-1357
- [13] Day, B. M., & Wagman, J. B., (2013). Context effects in perception of affordances. In T. Davis, P. Passos, M. Dicks, & J. A. Weast-Knapp (Eds.). *Studies in Perception and Action XII. Proceedings from the Seventeenth International Conference on Perception and Action*. (pp. 98-101). New York: Taylor and Francis Group.
- [12] Wagman, J.B., & McBride, D. M. (2009). Improvements in perceptual accuracy scale to frequency of feedback about task performance. In J. Wagman & C. Pagano (Eds.) *Studies in Perception and Action X. Proceedings from the Fifteenth International Conference on Perception and Action*. (pp. 88-91). New York: Taylor and Francis Group.
- [11] Wagman, J. B. (2007). Remote haptic perception of whether an object can be carried through a doorway. In S. Cummins-Sebree, M. Riley, & K. Shockley (Eds.) *Studies in Perception and Action IX. Proceedings from the Fourteenth International Conference on Perception and Action*. (pp. 188-192) Mahwah, NJ: Lawrence Erlbaum & Associates.

- [10] Wagman, J. B., & Trefzger, A. J. (2007). Feedback on every trial is sufficient (but not necessary for) improvements in perceptual accuracy. In S. Cummins-Sebree, M. Riley, & K. Shockley (Eds.) *Studies in Perception and Action IX. Proceedings from the Fourteenth International Conference on Perception and Action*. (pp. 180-183) Mahwah, NJ: Lawrence Erlbaum & Associates.
- [9] Taylor, K. R., & Wagman, J. B. (2005). Feeling and seeing to avoid tripping. In H. Heft & K. Marsh (Eds.) *Studies in Perception and Action VIII. Proceedings from the Thirteenth International Conference on Perception and Action*. (pp. 27-30). Mahwah, NJ: Lawrence Erlbaum & Associates.
- [8] Wagman, J. B., Hopkins, K. M., & Minarik, J. (2005). Does length sound like what length feels like? In H. Heft & K. Marsh (Eds.) *Studies in Perception and Action VIII. Proceedings from the Thirteenth International Conference on Perception and Action*. (pp. 162-165). Mahwah, NJ: Lawrence Erlbaum & Associates.
- [7] Wagman, J. B., and students in Psychology 331.04 (2005). "How heavy?" does not depend on which hand. In H. Heft & K. Marsh (Eds.) *Studies in Perception and Action VIII. Proceedings from the Thirteenth International Conference on Perception and Action*. (pp. 119-122). Mahwah, NJ: Lawrence Erlbaum & Associates.
- [6] Dainoff, M. & Wagman, J. B. (2004). Implications of dynamic touch for human factors/ergonomics: Contributions from ecological psychology. In *Proceedings of the Human Factors Society 48th Annual Meeting*. (pp. 1319-1320). Santa Monica, CA: Human Factors Society.
- [5] Wagman, J. B. (2004). Human factors implications of controlling user-tool-environment interfaces. In *Proceedings of the Human Factors Society 48th Annual Meeting*. (pp. 1330-1333). Santa Monica, CA: Human Factors Society.
- [3] Wagman, J. B. (2003). What is the sound of one rod dropping?. In S. Rogers & J. Effken (Eds.) *Studies in Perception and Action VII. Proceedings from the Twelfth International Conference on Perception and Action* (pp. 195- 198). Mahwah, NJ: Lawrence Erlbaum & Associates.
- [2] Wagman, J. B., Riley, M. A., & Turvey, M. T. (2001). Perceptual learning: An evaluation of attunement and calibration. In G. Burton & R. C. Schmidt (Eds.) *Studies in Perception and Action VI. Proceedings from the Eleventh International Conference on Perception and Action* (pp. 189 – 192). Mahwah, NJ: Lawrence Erlbaum & Associates.
- [1] Wagman, J. & Andre, J. (1999). Hearing where we look: information-based regulation between perceptual systems. In M. A. Grealy & J. A. Thomson (Eds.) *Studies in Perception and Action V. Proceedings from the Tenth International Conference on Perception and Action* (pp. 62 - 65). Mahwah, NJ: Lawrence Erlbaum & Associates.

Conferences and Conference Symposia Organized

- Cabe, P. A., & Wagman, J. B. (2015). Dynamic Touch: Emerging Themes: New Developments. Symposium organized at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.
- Wagman, J. B., & Higuchi, T. (2015). Smart perceptual instruments and perception of affordances. Symposium organized at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.

Wagman, J. B., & Higuchi, T. (2013). Perception-action dynamics and the person-plus-object system. Symposium organized at the Seventeenth International Conference on Perception and Action, Estoril, Portugal.

Wagman, J. B. (2010). Conference Organizer: 2010 North American Meeting of the International Society for Ecological Psychology, Normal, IL.

McBride, D. M., & Wagman, J. B. (2010). Conference Organizers: Illinois Data 2010, Normal, IL.

Wagman, J.B., & Higuchi, T., (2009). Prospectivity in perception-action. Symposium presented at the Fifteenth International Conference on Perception and Action, Minneapolis, MN.

Wagman, J.B., & McBride, D. M. (2007) Conference Organizers: Illinois Data 2007, Normal, IL.

Wagman, J.B., & Higuchi, T., (2007). Perception-action dynamics of the person-plus-object system. Symposium presented at the Fourteenth International Conference on Perception and Action, Yokohama, Japan.

Jordan, J. S. & Wagman, J. B. (2004). Dynamic Spatial Cognition. Symposium presented at the 2004 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

Wagman, J. B. (2001). Tools and Tool Use: The Animal-Environment Interface. Symposium presented at the Eleventh International Conference on Perception and Action, Storrs, CT.

Invited Lectures

Wagman, J. B., (2016). Dynamic touch from head to toe: Some (soft) assembly required. University of Connecticut, Storrs, CT.

Wagman, J. B., (2016). Perception of dynamically evolving affordances for passing through apertures. Invited talk at the 31st International Congress of Psychology, Yokohama, Japan.

Wagman, J. B., (2015). Use your head! Anatomical independence in perception of possibilities for behavior. Southern Illinois University, Edwardsville, Edwardsville, IL.

Wagman, J. B., (2015). Heaviness riddles, illusions, and paradoxes and what they reveal about perception. Southern Illinois University, Edwardsville, Edwardsville, IL.

Wagman, J. B., (2015). Perception-Action Dynamics of Attachments to the Body. Pennsylvania State University. State College, PA.

Wagman, J. B., (2014). Perception-Action Dynamics of Attachments to the Body. University of Minnesota. Minneapolis, MN.

Wagman, J. B., (2014). Len Mark's Research on Perception of Affordances: A Personal History. North American Meeting of the International Society for Ecological Psychology, Oxford, OH.

Wagman, J. B., (2013). Prospectivity, retrospectivity, and flexibility in perception of affordances. University of Cincinnati, Cincinnati, OH

Wagman, J. B., (2012). Prospectivity, retrospectivity, and flexibility in perception of affordances.

University of Connecticut, Storrs, CT

- Wagman, J. B., (2011). Which feels heavier—a pound of lead or a pound of feathers? A potential perceptual basis of a cognitive riddle. Invited Lecture. Tokyo Metropolitan University, Tokyo, Japan.
- Wagman, J.B. (2009). Hard and soft constraints influence willingness to pass under a barrier. Invited Lecture, University of Connecticut, Storrs, CT.
- Wagman, J. B. (2009). Hard and soft constraints influence willingness to pass under a barrier. Invited Lecture, Purdue University, West Lafayette, IN.
- Wagman, J. B. (2008). Perception-action dynamics of attachments to the body. Invited Lecture, Tactile Research Group Meeting (Pre-Conference to 49th Meeting of the Psychonomic Society. Chicago, IL.
- Wagman, J. B. (2008). Which feels heavier—a pound of lead or a pound of feathers? Invited Lecture. Department of Psychology, Franklin & Marshall College, Lancaster, PA.
- Wagman, J. B. (2008). Which feels heavier—a pound of lead or a pound of feathers? Invited Lecture, Department of Psychology, Grinnell College, Grinnell, IA.
- Wagman, J. B. (2007). Perceiving the future (in a completely non-supernatural way). Invited Lecture, Sigma Xi, Illinois Wesleyan University, Bloomington, IL.
- Wagman, J. B. (2004). Dynamic touch and the user-tool-environment interface. Invited Lecture. Department of Psychology, University of Illinois, Urbana-Champaign, IL.
- Wagman, J. B. (2003). Haptic perception of tool function and its improvement. Invited Lecture, Department of Psychology, New York University, New York, NY.
- Wagman, J. B. (2001). Tools and Tool Use, Dynamic Touch, and Ecological Psychology. Invited Lecture, Department of Psychology, Franklin & Marshall College, Lancaster, PA.
- Conference Presentations and Workshops [student co-presenters are underlined]
- Wagman, J. B., Stoffregen, T. A., & Caputo, S. E. (2016). Hierarchical nesting of affordances in tool use tasks. Paper presented at International Society for Ecological Psychology America Conference, Clemson, SC.
- Haaland, E., Wagman, J. B., & Stoffregen, T. A. (2015). Postural kinematics in support of affordance perception. Paper presented at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.
- Wagman, J. B. (2015). Dynamic touch from head to toe: Riddles, wrists, and recalibration. Paper presented at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.
- Wagman, J. B., & Hajnal, A. (2015). Use your (smart) head! Cephalic perception of affordances of surfaces. Paper presented at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.

- Wagman, J. B., & Rosenbaum, D. A. (2014). Getting a good grasp: Object mass distribution affects grasp location and orientation. Paper presented at the 54th meeting of the Psychonomic Society, Long Beach, CA
- Abney, D. A., & Wagman, J. B., (2014). An information-space analysis of perception of object length by Sound. Paper presented at the North American Meeting of the International Society for Ecological Psychology, Oxford, OH.
- Hajnal, A., Wagman, J. B., Bunch, D. A., & Doyon, J. K. (2014). Do geographical slants feel steeper than they look? Paper presented at the North American Meeting of the International Society for Ecological Psychology, Oxford, OH.
- Wagman, J. B., Hajnal, A., & Jackson, D. G. (2013). Functional specificity in perception by means of a wielded object. Paper presented at the 53rd meeting of the Psychonomic Society, Toronto, Canada
- Wagman, J. B., & Hajnal, A. (2013). Perception of stand-on-ability by means of a wielded object exhibits anatomical independence. Paper presented at the Seventeenth International Conference on Perception and Action, Estoril, Portugal.
- Abney, D. H., & Wagman, J. B. (2012) Intrinsic feedback in recalibration of length perception by dynamic touch. Paper presented at Illinois Data 2012, Edwardsville, IL
- Thomas, B. T., Wagman, J. B., & McBride, D. M. (2012). Perceiving affordances for remembered objects. Paper presented at Illinois Data 2012, Edwardsville, IL
- Abney, D. H., & Wagman, J. B. (2011). Transfer of recalibration from audition to touch: Modality independence as a special case of anatomical independence. Paper presented at Illinois Data 2011, Carbondale, IL.
- Wagman, J. B. (2011). Just roll with it: Hearing properties of an inclined surface by means of a toy car. Paper presented at Illinois Data 2011, Carbondale, IL.
- Wagman, J. B. (2011). Nested prospectivity in perception-action. Paper presented at the Institute for Prospective Cognition Workshop ("Getting Ahead in Cognitive Science: The Forward-looking Nature of Perception, Action, and Cognition"), Normal, IL
- Wagman, J. B., & Aspel, S. J. (2010). Grasp position and perceived heaviness: Creating heaviness illusions and metamers. Paper presented at the North American Meeting of the International Society for Ecological Psychology, Normal, IL.
- Wagman, J. B., Morgan, L. L. (2010). Perceiving present and future action capabilities. Paper presented at Illinois Data 2010, Normal, IL.
- Wagman, J. B. (2009). Perceiving nested affordances: Investigating a perceptual constancy of affordances. Paper presented at the Fifteenth International Conference on Perception and Action, Minneapolis, MN.
- Higuchi, T., Murai, G., Kijima, A., Imanaka, K., & Wagman, J. B. (2009). Prospective control in running through apertures by American football players. Paper presented at the Fifteenth International Conference on Perception and Action, Minneapolis, MN.

- Wagman, J. B., & McBride, D. M. (2009). What is the relationship between perceptual learning and frequency of feedback about task performance? Paper presented at Illinois Data 2009, Edwardsville, IL.
- Wagman, J. B. (2009). Perceiving the future (in a completely non-supernatural way). Paper presented at the Institute for Prospective Cognition In-House Workshop, Normal, IL.
- Wagman, J. B. (2008). Potential costs of behavior influence willingness to pass under a barrier. Paper presented at Illinois Data 2008, Carbondale, IL.
- Wagman, J. B. (2007). Affordances for upright posture and the person-plus-object system. Paper presented at the Fourteenth International Conference on Perception and Action, Yokohama, Japan.
- Wagman, J.B., Zimmerman, C., & Sorric, C. (2007). A pound of lead feels heavier than a pound of feathers. Paper presented at Illinois Data 2007, Normal, IL.
- Regia-Corte, T., & Wagman, J. B. (2007). Perception of affordances for standing depends on height of center of mass. Paper presented at Illinois Data 2007, Normal, IL.
- Wagman, J. B. (2006). Am I taller if I am in a hurry? Paper presented at the 2006 Show Me Mental State Conference on Cognition, St. Louis, MO.
- Wagman, J. B., Taylor, K. R., Minarik, J. L., Hopkins, K. M. (2005). Can I fit through there while carrying this? Paper presented at the Thirteenth International Conference on Perception and Action, Monterey, CA.
- Wagman, J. B. (2004). Human factors implications of controlling user-tool-environment interfaces. Paper presented at the Human Factors Society 48th Annual Meeting, New Orleans, LA.
- Wagman, J. B. (2004). Perceiving space by touching things. Paper presented at the 2004 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Wagman, J. B. (2004). Acoustic specification of object properties. Paper presented at the 2004 Conference of the Center for the Cognitive Study of the Moving Image: Narration, Imagination, and Emotion in Moving Image Media, Grand Rapids, MI.
- Wagman, J. B. (2003). Ecological Psychology and Transactionalism: Perception as a Function of Development, and Vice Versa. Paper presented at the 12th International Conference on Perception and Action., Gold Coast, QLD, Australia.
- Pagano, C., & Wagman, J. B. (2002). A tutorial on the inertia tensor. Workshop held at the North American Meeting of the International Society for Ecological Psychology, Oxford, OH.
- Wagman, J. B. (2001). Is motor program a biologically viable concept? Paper presented at the 11th Annual New England Sequencing and Timing Conference, New Haven, CT.
- Wagman, J. B. (2001). Grasping so as to: Creation of grip-dependent functional objects. Paper presented at the 11th International Conference on Perception and Action., Storrs, CT.

Wagman, J. B., Carello, C., & Turvey, M. T. (2000). Affordances and dynamic touch: Implications for tool use. Paper presented at the North American Meeting of the International Society for Ecological Psychology, Clemson, SC.

Wagman, J. B., Riley, M. A., Santana, M-V, Carello, C., & Turvey, M. T. (2000). Exploratory dynamics within exploratory procedures. Paper presented at the 71st Annual Meeting of the Eastern Psychological Association, Baltimore, MD.

Poster Presentations [student co-presenters are underlined]

Langley, M. D., Farmer-Dougan, V., & Wagman, J. B. (2016). Doggone affordances: Perception of maximum vertical reaching height by canines. Poster presented at the Association of Professional Dog Trainers Conference, Las Vegas, NV

Thomas, B. J., Wagman, J. B., Hawkins, M., & Riley, M. A. (2016). The independence of perceived animal-neutral and animal-referential environmental properties. Poster presented at the 56th meeting of the Psychonomic Society, Boston, MA

Dayer, A., Wagman, J. B., & Hajnal, A. (2016). Heads up! Dynamic similitude for perception with object with hand or head. Poster presented at the 56th meeting of the Psychonomic Society, Boston, MA

Langley, M. D., Farmer-Dougan, V., & Wagman, J. B. (2016). Doggone affordances: Perception of maximum vertical reaching height by canines. Poster presented at the 56th meeting of the Psychonomic Society, Boston, MA

Langley, M. D., Farmer-Dougan, V., & Wagman, J. B. (2016). Doggone affordances: Perception of maximum vertical reaching height by canines. Poster presented at International Society for Ecological Psychology America Conference, Clemson, SC

Walter, H., Wagman, J. B., Stergiou, N., Erkmen, N., Stoffregen, T.. (2016). Nautical affordances in gait. Poster presented at International Society for Ecological Psychology America Conference, Clemson, SC.

Langley, M. D., Higuchi, T., & Wagman, J. B. (2016). Length perception by head and by hand. Poster presented at International Society for Ecological Psychology America Conference, Clemson, SC.

Langley, M. D., Higuchi, T., & Wagman, J. B. (2016). Length perception by head and by hand. Poster presented at the 31st International Congress of Psychology, Yokohama, Japan.

Schloesser, D. S., Wagman, J. B., Stoffregen, T. A., & Bai, J. (2015). Perceiving nested possibilities for behavior for another person. Poster presented at the 55th meeting of the Psychonomic Society, Chicago, IL.

Caputo, S. E., Stoffregen, T. A., & Wagman, J. B. (2015). Nested possibilities for behavior in a tool-use task. Poster presented at the 55th meeting of the Psychonomic Society, Chicago, IL.

Wagman, J. B., Stoffregen, T. A., & Caputo, S. E. (2015). Build your own tool: The what, why and how of a nested tool-making task. Poster presented at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.

Bai, J., Carten, A., Wagman, J. B., Smith, P. J. K., & Day, B. M. (2015). Connecting the dots in

perception of affordances for stepping. Poster presented at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.

Schloesser, D. S., Wagman, J. B., & Abney, D. H. (2015). Flip this rod: Changing grasp position can recalibrate perception of length by dynamic touch. Poster presented at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.

Donyon, J. K., Hajnal, A., Wagman, J. B., McGathy, M., & Clark, J. D. (2015). Are we overthinking it? Haptic perception of geographic slant is accurate when embedded within a secondary task. Poster presented at Vision Sciences Society, St. Pete Beach, FL.

Abney, D. A., & Wagman, J. B. (2014). An information-space analysis of perception of object length by sound. Poster presented at the 54th meeting of the Psychonomic Society, Long Beach, CA.

Day, B. M., Wagman, J. B., & Smith, P. J. K. (2014). Perception of maximum stepping and leaping distance. Poster presented at the North American Meeting of the International Society for Ecological Psychology, Oxford, OH.

Hajnal, A., Wagman, J. B., Bunch, D. A., & Doyon, J. K. (2014). Do geographical slants feel steeper than they look? Poster presented at Vision Sciences Society, St. Pete Beach, FL.

Day, B. M., & Wagman, J. B. (2013). Context effects and learning in perception of maximum reaching height. Poster presented at the 53rd meeting of the Psychonomic Society, Toronto, Canada.

Day, B. M., & Wagman, J. B. (2013). Context effects in perception of affordances. Poster presented at the Seventeenth International Conference on Perception and Action, Estoril, Portugal.

Yasuda, M., & Higuchi, T., & Wagman, J. B. (2013). Can perception of affordance for aperture crossing be improved immediately after experience in actual passage?: Dissociation between walking and wheelchair use. Poster presented at the Seventeenth International Conference on Perception and Action, Estoril, Portugal.

Day, B. M., & Wagman, J. B. (2013). Context effects in perception of possibilities for behavior. Poster presented at the 2013 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

Thomas, B. T., Wagman, J. B., & McBride, D. M. (2012). Perceiving affordances for remembered objects. Poster presented at the 52nd meeting of the Psychonomics Society, Minneapolis, MN

Wagman, J. B., & Abney, D. H. (2012). Is calibration of perception modality independent? Poster presented at the 52nd meeting of the Psychonomics Society, Minneapolis, MN

Abney, D. H., & Wagman, J. B. (2011). Implicit feedback and recalibration of perception. Poster presented at the 51st Meeting of the Psychonomics Society, Seattle, WA.

Abney, D. H., & Wagman, J. B. (2011). Transfer of recalibration across modalities: Feedback on audition improves haptic perception. Poster presented at the 2011 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

Wagman, J. B., & Van Norman, E. (2010). What do perceivers learn when they learn about length? Poster presented to the 51st Meeting of the Psychonomics Society, St. Louis, MO.

Wagman, J. B. (2009). Perceiving nested affordances. Poster presented at the 50th Meeting of the

Psychonomics Society, Boston, MA.

- Wagman, J. B., & McBride, D. M. (2009). Improvements in perceptual accuracy scale to frequency of feedback about task performance. Poster presented at the Fifteenth International Conference on Perception and Action, Minneapolis, MN.
- Wagman, J.B., & Cabe, P. A. (2008). Perceptual learning in dynamic touch quantified by a perceptual learning index (PLI). Poster presented to the 49th Meeting of the Psychonomic Society. Chicago, IL.
- Wagman, J.B., & Zimmerman, C. (2008). A pound of lead feels heavier than a pound of feathers....but only at first. Poster presented to the 49th Meeting of the Psychonomic Society. Chicago, IL
- Wagman, J.B. (2008). Geometric, kinetic, and intentional constraints influence willingness to pass under a barrier. Poster presented at A Natural-Physical Perspective on Perception-Action-Cognition, Storrs, CT.
- Wagman, J.B., Zimmerman, C., & Orr, J. J. (2008). A pound of lead feels heavier than a pound of feathers....but only at first. Poster presented at the XXIX International Congress of Psychology. Berlin, Germany.
- Wagman, J.B., & Regia-Corte, T. (2008). Perception of affordances for standing on an inclined surface depends on center of mass and experience. Poster presented at the XXIX International Congress of Psychology. Berlin, Germany.
- Regia-Corte, T., & Wagman, J. B. (2007). Perception of affordances for standing depends on height of center of mass. Poster presented at the 48th Meeting of the Psychonomic Society. Long Beach, CA.
- Wagman, J., Zimmerman, C., & Sorric, C. (2007, August). A pound of lead feels heavier than a pound of feathers: A potential perceptual basis of a cognitive riddle. Poster presented at the annual meeting of the Cognitive Science Society Conference. Nashville, TN.
- Wagman, J. B. (2007, July). Remote haptic perception of whether an object can be carried through a doorway. Poster presented at the Fourteenth International Conference on Perception and Action, Yokohama, Japan.
- Wagman, J. B., & Trefzger, A. J. (2007, July). Feedback on every trial is sufficient (but not necessary for) improvements in perceptual accuracy. Poster presented at the Fourteenth International Conference on Perception and Action, Yokohama, Japan.
- Wagman, J. B., DeWitt, J. K. (2007, May). Remote haptic perception and carrying objects through doorways Poster presented at the 2007 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Malek, E. A., & Wagman, J. B. (2007, May). Perception of stand-on-able slopes depends on distribution of body mass. Poster presented at the 2007 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Hitt, J. L., Alferink, L. A., Critchfield, T. S., & Wagman, J. B. (2007, May). The matching law and basketball tournaments. Poster presented at the 33rd Annual Convention of the Association for Behavior Analysis, San Diego, CA.

- Hitt, J. L., Alferink, L. A., Critchfield, T. S., & Wagman, J. B. (2006, October). The matching law and big ten basketball. Poster presented to the Mid-America Association for Behavior Analysis 6th Annual Convention, Carbondale, IL.
- Wagman, J. B., & Burtschi, K. (2006, June). Exploratory wielding and perceiving the sweet spot of a striking implement. Poster presented at the North American Meeting of the International Society of Ecological Psychology, Cincinnati, OH.
- Wagman, J. B., Malek, E. A., & DeWitt, J. L. (2006, June). Perception of walk-under-ability while sitting and while standing. Poster presented at the North American Meeting of the International Society of Ecological Psychology, Cincinnati, OH.
- Wagman, J. B., & McCaw, S. T. (2006, June). Body-scaled perceptual boundaries in one-leg and two-leg landings. Poster presented at the North American Meeting of the International Society of Ecological Psychology, Cincinnati, OH.
- Wagman, J. B. (2006, May). Perceptual learning does not require feedback on every trial. Poster presented at the 18th Annual Association for Psychological Science Convention, New York, NY.
- Wagman, J. B. (2006, May). Perception of whether you can fit depends on intended speed. Poster presented at the 18th Annual Association for Psychological Science Convention, New York, NY.
- Wagman, J. B. & Malek, E. A. (2006, May). Perception of aperture crossability depends on style of locomotion. Poster presented at the 2006 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Wagman, J.B. & Tsiappoutas, K. (2006, May). How much feedback is required for perceptual learning?. Poster presented at the 2006 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Taylor, K. R., & Wagman, J. B. (2005, July). Feeling and seeing to avoid tripping. Poster presented at the Thirteenth International Conference on Perception and Action. Monterey, CA.
- Wagman, J. B., Hopkins, K. M., & Minarik, J. (2005, July). Does length sound like what length feels like? Poster presented at the Thirteenth International Conference on Perception and Action. Monterey, CA.
- Wagman, J. B., and students in Psychology 331.04 (2005, July). "How heavy?" does not depend on which hand. Poster presented at the Thirteenth International Conference on Perception and Action. Monterey, CA.
- Taylor, K. R., & Wagman, J. B. (2005, May). Perceiving obstacles to locomotion. Poster presented at the 2005 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Taylor, K. R. & Wagman, J. B. (2004, May). Perceivers use task-specific "sweet spots" on striking implements. Poster presented at the 16th Annual American Psychological Society Convention, Chicago, IL.
- Wagman, J. B. (2004, May). Perceptual learning in different modalities is described by a common learning curve. Poster presented at the 16th Annual American Psychological Society Convention, Chicago, IL.
- Wagman, J. B. (2003, July). What is the sound of one rod dropping? Poster presented at Twelfth

International Conference on Perception and Action. Gold Coast, Australia.

Wagman, J. B., Dahle, C., Schmidt, R. C. (2002, May) Perceptual Learning Dynamics. Poster Presented at the Coordination Dynamics International Conference on Brain and Behavior, Delray Beach, FL.

Carello, C. Adams, C., Starski, J., Salaman, A., & Wagman, J. B. (2002, May). Handedness effects in haptic perception. Poster presented at the North American Meeting of the International Society for Ecological Psychology, Oxford, OH.

Wagman, J. B., Riley, M. A., & Turvey, M. T. (2001, June). Perceptual learning: An evaluation of attunement and calibration. Poster presented at the Eleventh International Conference on Perception and Action. Storrs, CT.

Wagman, J. & Andre, J. (1999, August). Hearing where we look: information-based regulation between perceptual systems. Poster presented at the Tenth International Conference on Perception and Action Edinburgh, Scotland.

Andre, J., Wagman, J., Lookingbill, J., Muth, E., & Owens, D. A. (1997, May). The effect of a stressful task on visual adaptation to near work. Poster presented at the Annual Meeting of the Eastern Psychological Association, Washington, DC.

Courses Taught

Fundamentals of Psychology; Introductory Psychology; Laboratory in Research Methods (Perception); Cognition & Learning; Perception; Cognitive Science (Graduate Seminar); Ecological Approach to Perception-Action (Graduate Seminar)

Post-Doctoral Fellows Supervised

Tony Regia-Corte (February 2007- October 2007)

Doctoral Dissertation Committees

Joseph Geeseman (2012) Southern Illinois University, Carbondale (Outside Committee Member)

Master's Theses Chaired

Mathew Langley (expected, 2107), "Perception of affordance for reaching by canines"

Jonathan Doyon (expected, 2015), University of Southern Mississippi

Brian Day (2014). "Perception of maximum stepping and leaping ability"

Drew Abney (2012), "The Role of Intrinsic Feedback in Recalibration of Length Perception"

Eric Malek (2007): "Perception of whether a surface affords standing on"

Kona Taylor (2005): "Haptic and Visual Perception of Whether an Obstacle can be Stepped Over"

Ad Hoc Reviews [~ 40 different journals, book series, and grant agencies]

American Journal of Psychology, Applied Cognitive Psychology, Artificial Intelligence in Engineering Design, Analysis and Manufacturing (AI EDAM), Attention, Perception, & Psychophysics, Behavioral and Brain Sciences, Bird Behavior, Brain & Cognition, Building Services Engineering Research and Technology, Canadian Journal of Experimental Psychology, Child Development, Cognition, Current Psychology Letters, Developmental Psychobiology, Ecological Psychology, Ergonomics, European Review of Applied Psychology, Experimental Brain Research, Experimental Psychology, Frontiers in Psychology – Cognitive Science, Human Factors and Ergonomics in Manufacturing, Human Movement Science, Journal of Environmental Psychology, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception & Performance, Journal of Motor Behavior, Journal of Pain, Memory & Cognition, National Science Foundation, New Ideas in Psychology, Philosophical

Psychology, PLoS ONE, Psychonomic Bulletin & Review, Psychological Research, Psychological Science, Perception, Studies in Perception and Action XI, Studies in Perception and Action XIII, Theoretical Issues in Ergonomic Science

Professional Affiliations

Board of Directors, International Society for Ecological Psychology, 2016-

Member, Association for Psychological Science; Behavioral and Brain Sciences Associate; International Society for Ecological Psychology; Psychonomic Society; Member of Technical Committee on Haptics; Japan Society for Promotion of Science Alumni Association

Scientific Committee Member, 15th International Conference on Perception and Action, Minneapolis, MN

Scientific Committee Member, 16th International Conference on Perception and Action, Ouro Puerto, BZ

Scientific Committee Member, 18th International Conference on Perception and Action, Minneapolis, MN

Research Features in the Public Media

-2008 Feeling Heavy: Weight of Science Behind Hefty Myth In The Guardian (UK Newspaper)

<http://www.guardian.co.uk/education/2008/may/13/research.highereducation>

-2012 Strange but True: Science's Most Improbable Research In The Guardian (UK Newspaper)

<http://www.guardian.co.uk/science/2012/aug/19/most-improbable-scientific-research-abrahams>