

# CURRICULUM VITAE

**Ryan A. Stevenson**

Assistant Professor

*Western University*  
Department of Psychology  
Brain & Mind Institute  
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Citizenship: American, Canadian Permanent Residency Pending

## EDUCATION

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- 2005-2010 **Indiana University, Bloomington, IN, USA**  
Ph.D., Psychological & Brain Sciences, Neuroscience  
Thesis title: *Multisensory integration of audition and vision in object recognition and speech perception*  
Advisors: Professors Thomas W. James and David B. Pisoni
- 1999-2003 **University of Michigan, Ann Arbor, MI, USA**  
B.Sc., Biopsychology & Cognitive Sciences  
Advisor: Professor Patricia Reuter-Lorenz

## POSITIONS HELD

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- 2016- **University of Western Ontario, London, ON, Canada**  
Assistant Professor, Department of Psychology  
Brain and Mind Institute
- 2013-2016 **University of Toronto, Toronto, ON, Canada**  
Banting Postdoctoral Fellow  
Memory and Perception & Cognitive Neuroscience Laboratory  
Advisors: Professors Susanne Ferber & Morgan Barense
- 2010 - 2013 **Vanderbilt University Medical Center, Nashville, TN, USA**  
Ruth R. Kirschstein Postdoctoral Fellow, Multisensory Research Laboratory  
Advisor: Professor Mark Wallace

- 2005-2010 **Indiana University, Bloomington, IN, USA**  
 Predoctoral Fellow, Perception and Neuroimaging Laboratory  
 Advisors: Professors Thomas James & David Pisoni
- 2005-2006 **Indiana University, Bloomington, IN, USA**  
 Research Assistant, Imaging Research Facility  
 Advisors: Professor Julie Stout and Dr. Hu Cheng
- 2002-2003 **University of Michigan, Ann Arbor, MI, USA**  
 Research Assistant, Flavin Enzymology Laboratory  
 Advisor: Professor Bruce Palfey
- 2002-2002 **University of Michigan, Ann Arbor, MI, USA**  
 Research Assistant, Cognitive Neuroimaging Laboratory  
 Advisor: Professor John Jonides
- 2000-2002 **University of Michigan, Ann Arbor, MI, USA**  
 Research Assistant, Affective Neuroscience Laboratory  
 Advisor: Professor Patricia Reuter-Lorenz

## **GRANT SUPPORT**

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<b>Total Funding to Date (Grants and Awards)</b>		<b>\$504,974</b>
2016-2017	Western University Faculty Research Development Fund <i>The Impact of sensory processing difficulties on social competency in autism</i> Role: Principal Investigator	\$5,000 CAD
2014-2016	<b>Autism Research Training Program Award (CIHR)</b> <i>Multisensory perceptual learning as a remediation strategy in Autism Spectrum Disorders</i> Role: Principle Investigator Mentors: Drs. Anthony Bailey, James Tanaka, and Grace Iarocci	\$39,000 CAD
2014-2016	<b>Banting Postdoctoral Fellowship (NSERC)</b> <i>It's only a matter of time: Neural networks underlying multisensory perceptual binding</i> Role: Principle Investigator	\$140,000 CAD
2014-2016	<b>Autism Speaks Meixner Postdoctoral Fellowship in Translational Research</b> Role: Principle Investigator (declined)	\$117,800 USD
2013-2014	<b>Vanderbilt Institute for Clinical and Translational Research, VR5807.1</b> <i>Development and modulation of multisensory integration</i> Role: Principle Investigator	\$17,375 USD

2012-2013	<b>Vanderbilt Institute for Clinical and Translational Research, VR5807.1</b> <i>Effects of age and scopolamine on multi-sensory integration and learning</i> Role: Co-investigator	\$27,821 USD
2011-2014	<b>NIH Ruth R. Kirschstein Postdoctoral Fellowship, NIDCD 1F32 DC011993</b> <i>Multisensory integration and temporal processing in autism</i> Role: Principle Investigator	\$153,978 USD
2007, 2009	Aging and Speech Communication Student Scholarship	\$1000 USD
2007-2008	Friends of the Kinsey Institute Research Grant	\$500 USD
2006	Graduate and Professional Student Organization Research Grant	\$500 USD

### **AWARDS AND HONOURS (not mentioned under Grant Support)**

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2015	International Society for Autism Research Early Investigator Award International Meeting for Autism Research Travel Award
2014	Society for Neuroscience Hot Topic Selection Education Specialty Award, Society of Critical Care Medicine
2013	International Society for Autism Research Travel Award Vanderbilt Bill Wilkerson Center Poster Award Vanderbilt Medical Center Postdoc of the Year runner up Vanderbilt Kennedy Center Research Poster Award Vanderbilt Kennedy Center Travel Award
2012	Society for Neuroscience Postdoctoral Trainee Chapter Travel Award Vanderbilt University Medical Center "Best in Category" Presentation Award Vanderbilt Kennedy Center Travel Award
2009	Faculty of 1000 Poster Selection Graduate and Professional Student Organization Travel Award U&GR Research Symposium Poster Award Indiana University MAPS Research Symposium Poster Award
2008	Society for Neuroscience ICAM Poster Award Indiana Neuroimaging Symposium Award for Excellence
2007	Human Brain Mapping Travel Award Graduate Student Commendation, Indiana University
2006	National Science Foundation Graduate Research Fellowship Honorable Mention Graduate Student Commendation, Indiana University

## **PUBLICATIONS**

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**45 Publications (26 First Author, 4 Senior Author)**

**1289 Citations according to Google Scholar**

**H-index: 20**

### **Under Review**

**Stevenson, R. A.**, Segers, M., Ncube, B.L., Bebko, J. M., Ferber, S., Barense, M. D. (Under Review). The cascading influence of low-level multisensory processing on speech perception in Autism. *Cerebral Cortex*.

**Stevenson, R. A.**, Sheffield, S. W., Butera, I. M., Gifford, R. H., Wallace, M. T. (In 2<sup>nd</sup> Revision). Multisensory integration in cochlear implant recipients. *Ear and Hearing*.

**Stevenson, R. A.**, Baum, S. H., Rivera, M., Ferber, S., Barense, M. D., & Wallace, M. T. (Under Review). Integration of audiovisual speech in noise in children with Autism Spectrum Disorders. *Autism Research*.

**Stevenson, R. A.**, Baum, S. H., Krueger Fister, J., Newhouse, P. A., & Wallace, M. T. (Under Review). Links between temporal acuity and multisensory integration across lifespan. *Journal of Experimental Psychology: Human Perception and Performance*.

**Stevenson, R. A.**, Sun, S., Ruppel, J., Segers, M., Ncube, B., Barense, M. D., & Ferber, S. (Under Review). Perceptual binding errors in children with Autism Spectrum Disorders during a visual working memory task. *Journal of Vision*.

### **In Press**

**Stevenson, R. A.**, Park, S., Cochran, C., McIntosh, L. G., Noel, J-P., Barense, Ferber, S., Wallace. (In Press). The impact of multisensory temporal processing on symptoms of schizophrenia. *Schizophrenia Research*.

Jahn, K. N., **Stevenson, R. A.**, Wallace, M.T. (In Press). Visual Temporal Acuity is Predictive of Auditory Speech Perception Abilities in Cochlear Implant Users Visual Temporal Acuity Is Related to Auditory Speech Perception Abilities in Cochlear Implant Users. *Ear and Hearing*.

### **2016**

**Stevenson, R. A.**, Sun, S. Z., Hazlett, N., Cant, J. S., Barense, M. D., & Ferber, S. (2016). Seeing the forest and the trees: Default local processing in individuals with high autistic traits does not come at the expense of global attention. *Journal of Autism and Developmental Disorders*, 1-15.

Baum, S. H., **Stevenson, R. A.** (2016). Early patterns of eye gaze and brain connectivity initiate developmental cascades in visual cognitive function. *Frontiers in Psychology*, 10, 215.

Altieri, N., Wenger, M. J., Wallace, M. T., & **Stevenson, R. A.** (2016). Does Number of Perceptions or Cross-Modal Auditory Cueing Influence Audiovisual Processing Speed? *The American Journal of Psychology*, 129(1), 11-21.

Noel, JP., DeNier, M., **Stevenson, R. A.**, Alais, D., & Wallace, M. T. (n Press) Atypical rapid audio-visual temporal recalibration in autism spectrum disorders. *Autism Research*.

Krueger-Fister, J., **Stevenson, R. A.**, Barnett, Z. P., & Wallace, M.T. (2016). Multisensory interactions across stimulus effectiveness and temporal synchrony. *Neuropsychologia*.

Nidiffer, A. R., **Stevenson, R. A.**, Krueger-Fister, J., Barnett, Z. P., & Wallace, M.T. (2016). Multisensory interactions across stimulus effectiveness and spatial location. *Neuropsychologia*.

## **2015**

**Stevenson, R. A.**, Segers, M., Ferber, S., Barense, M. D., Camarata, S., & Wallace, M. T. (2015). Keeping time in the brain: Autism spectrum disorder and audiovisual temporal processing. *Autism Research*. DOI: 10.1002/aur.1566

**Stevenson R. A.**, Segers, M., Ferber, S., Barense, M. D., Wallace, M. T. (2016). The impact of multisensory integration deficits on speech perception in children with autism spectrum disorders. *Frontiers in Psychology*, 5, 379.

**Stevenson, R. A.**, Nelms, C., Baum, S., Zurkowsky, L., Barense, M.D., Newhouse, P., & Wallace, M.T. (2015) Deficits in audiovisual speech perception in normal aging emerge at the level of whole-word recognition. *Neurobiology of Aging*, 36(1), 283-291.

Baum, S. H., **Stevenson, R. A.**, & Wallace, M. T. (2015). Behavioral, perceptual, and neural alterations in sensory and multisensory function in autism spectrum disorder. *Progress in Neurobiology*, 134, 140-160.

Baum, S., **Stevenson, R. A.**, & Wallace, M. T. (2015). Testing sensory and multisensory function in children with autism spectrum disorder. *Journal of Visualized Experiments*, 98, e52677.

Altieri, N. A., **Stevenson, R. A.**, Wallace, M. T., & Wenger, M. J. (2015). Learning to associate auditory and visual stimuli: Behavioral and neural mechanisms. *Brain Topography*, 28(3), 479-493.

Lowe, M. X., **Stevenson, R. A.**, Wilson, K. E., Ouslis, N. E., Barense, M. D., Cant, J. S., Ferber, S. (2015). *Journal of Experimental Psychology: Human Perception and Performance*, 42(2), 294-301.

James, T. W., Potter, R. F., Lee, S., Kim, S., **Stevenson, R. A.**, & Lang, A. (2015). How Realistic Should Avatars Be? *Journal of Media Psychology*, 27, 109-117.

## **2014**

**Stevenson, R. A.**, Siemann, J. K., Woynaroski, T. G., Schneider, B. C., Eberly, H. E., Camarata, S. M., & Wallace, M. T. (2014). Multisensory temporal integration in autism spectrum disorders. *Journal of Neuroscience*, 34(3), 691-697.

**Stevenson, R. A.**, Segers, M., Ferber, S., Barense, M.D., & Wallace, M.T. (2014). The impact of multisensory integration deficits on speech perception in children with autism spectrum disorders. *Frontiers in Psychology*, 5(379), 1-4.

**Stevenson, R. A.**, Siemann, J. K, Schneider, B. C., Eberly, H. E., Woynaroski, T. G., Camarata, S. M., & Wallace, M. T. (2014). Arrested development of audiovisual speech perception in autism spectrum disorders. *Journal of Autism and Developmental Disabilities*, 44(6), 1470-1477.

**Stevenson, R. A.**, Siemann, J. K, Schneider, B. C., Eberly, H. E., Woynaroski, T. G., Camarata, S. M., & Wallace, M. T. (2014). Evidence for diminished multisensory integration in autism spectrum disorders. *Journal of Autism and Developmental Disabilities*, 44(12), 3161-3167.

Wallace, M. T. & **Stevenson, R. A.** (2014). The construct of the multisensory temporal binding window and its dysregulation in developmental disabilities. *Neuropsychologia*, 64, 105-123.

**Stevenson, R. A.**, Sarko, D. K., Nidiffer, A. R., Ghose, D., Krueger Fister, J., Altieri, N. A., Siemann, J. K., James, T. W., & Wallace, M. T. (2014). Identifying and quantifying multisensory integration: A tutorial review. *Brain Topography*, 27(6), 707-730.

**Stevenson, R. A.**, Wallace, M. T., & Altieri, N. A. (2014). The interaction between stimulus factors and cognitive factors during multisensory integration of audiovisual speech. *Frontiers in Psychology*, 5(352), 1-3.

Schlesinger, J., **Stevenson, R. A.**, & Wallace, M. T. (2014). Effects of multisensory training on pitch perception of a pulse oximeter. *Anesthesia & Analgesia*, 118(6), 1249-1253.

## **2013**

Woynaroski, T. G., Kwayke, L., Foss-Feig, J. H., **Stevenson, R. A.**, Stone, W. L., & Wallace, M. T. (2013). Multisensory speech perception in high-functioning children with autism spectrum disorders. *Journal of Autism and Developmental Disorders*, 43(12), 2897-2902.

**Stevenson, R. A.**, Wilson, M. M., Powers, A. R., & Wallace, M. T. (2013). The effects of visual training on multisensory temporal processing. *Experimental Brain Research*, 255(4): 479-489.

**Stevenson, R. A.** & Wallace, M.T. (2013). Multisensory temporal integration as a function of task and stimulus type. *Experimental Brain Research*, 227(2): 249-261.

**Stevenson, R. A.**, Schlesinger, J., & Wallace, M.T. (2013). Effects of attention and operating room noise on auditory perception of arterial oxygen saturation measured with pulse oximetry. *Anesthesiology*, 118(2): 376-381.

## **2012**

**Stevenson, R. A.** (2012). Using functional connectivity analysis to investigate the bases of autism spectrum disorders and other clinical populations. *Journal of Neuroscience*, 32(50): 17933-17934.

**Stevenson, R. A.**, Zemtsov, R. K., & Wallace, M.T. (2012). Individual differences in the multisensory temporal binding window predict susceptibility to audiovisual illusions. *Journal of Experimental Psychology: Human Perception and Performance*, 28(6): 1517-1529.

**Stevenson, R. A.**, Krueger Fister, J., Barnett, Z. P., Nidiffer, A. R., & Wallace, M.T. (2012). Interactions between the spatial and temporal stimulus factors that influence multisensory integration in human performance. *Experimental Brain Research*, 219(1): 121-137.

**Stevenson, R. A.**, Bushmakin, M., Kim, S., Puce, A., & James, T. W. (2012). Stimulus effectiveness and multisensory interactions in audiovisual speech event-related potentials. *Brain Topography*, 25 (3), 308-326.

Kim, S., **Stevenson, R. A.**, & James, T. W. (2012). Lateralization of visuo-haptic neuronal convergence demonstrated by inverse effectiveness. *Journal of Cognitive Neuroscience*, 24 (4), 830-842

James, T. W. & **Stevenson, R. A.**, Kim, S. (2012). Inverse effectiveness in multisensory processing. In *The New Handbook of Multisensory Processes*. Ed. Stein, B. MIT Press, Cambridge, MA. Chapter 12, 207-222.

James, T. W. & **Stevenson, R. A.** (2012). The use of fMRI to assess multisensory integration. In *Frontiers in the Neural Bases of Multisensory Processes*. Eds. Wallace, M. & Murray, M. Taylor & Francis Group, London. Chapter 8, 131-146.

## **2011**

**Stevenson, R. A.**, VanDerKlok, R. M., Pisoni, D. B., & James, T. W. (2011). Discrete neural substrates underlie complementary audiovisual speech integration processes. *Neuroimage*, 55: 1339-1345.

**Stevenson, R. A.**, Stevenson, L. D., Rupp, H. A., Janssen, E., Kim, S., & James, T. W. (2011). Incorporating emotions specific to the sexual response into the basic and dimensional theories of emotion using the Indiana Sexual and Affective Word Set. *Archives of Sexual Behavior*, 40(1): 59-78.

James, T. W., **Stevenson, R. A.**, Kim, S., VanDerKlok, R. M., & James, K. H. (2011). Shape from sounds: evidence for a shape operator in the lateral occipital cortex. *Neuropsychologia*, 49(7): 1807-1815.

James, T. W., VanDerKlok, R. M., **Stevenson, R. A.**, & James, K. H. (2011). Multisensory perception of action in posterior temporal cortex. *Neuropsychologia*, 49(1): 108-114.

## **2010 and Prior**

**Stevenson, R. A.,** Altieri, N. A., Kim, S., James, T. W. (2010). Neural processing of asynchronous audiovisual speech perception. *Neuroimage*, 49: 3308-3318.

**Stevenson, R. A.,** Kim, S., & James, T. W. (2009). An additive-factors design to disambiguate neuronal and areal convergence: Measuring multisensory interactions between audio, visual, and haptic sensory streams using fMRI. *Experimental Brain Research*, 198:183-194.

**Stevenson, R. A.** & James, T. W. (2009). Audiovisual integration in the human superior temporal sulcus: Inverse effectiveness and the neural processing of speech and object recognition. *Neuroimage*, 44:1210-1223.

**Stevenson, R. A.** & James, T. W. (2008). Affective auditory stimuli: Characterization of the International Affective Digitized Sounds (IADS) by discrete emotional categories. *Behavior Research Methods*, 40(1):315-321.

**Stevenson, R. A.,** Geoghegan, M. L., & James, T. W. (2007). Superadditive BOLD activation in superior temporal sulcus with threshold non-speech objects. *Experimental Brain Research*, 179:85-95.

**Stevenson, R. A.,** Mikels, J. A., & James, T. W. (2007). Characterization of Affective Norms for English Words (ANEW) by discrete emotional categories. *Behavior Research Methods*, 39(4):1020-1024.

## **PRESS COVERAGE**

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**CNN** – *Vision, sound don't sync for some kids with autism, study suggests* – January 14, 2014

**USA Today** – *Study finds sensory disconnect in autistic children* – January 14th, 2014

**Research & News at Vanderbilt** – *Vanderbilt study reveals senses of sight and sound separated in children with autism* – January 14th, 2014

**NBC News** – *Vanderbilt research shows what children with autism see and hear is out of sync* – January 14th, 2014

**ABC News** – *Vanderbilt doctor conducts new autism research* – January 14th, 2014

**Huffington Post** – *Children with autism perceive sights and sounds separately* – January 15th, 2014

**Autism Speaks** – *Study suggests sight and sound out of sync in some with autism* – January 15th, 2014

**Fox News** – *For kids with autism, sights and sounds are disjointed* – January 15th, 2014

**Daily Mail** – *Autism sufferer's hear the world out of sync "like watching a badly dubbed film"* – January 15th, 2014

**Sun News** – *Canadian researchers testing treatment for autistic kids* – January 18th, 2014

**University of Toronto Press** – *For some autistic children, audio and visual don't sync* – January 21st, 2014

**The Varsity** – *Autistic individuals may be experiencing a delay in audio visual processing* – January 27th, 2014



**Yonge Street Media** – *New Therapies are helping children with autism overcome sensory barriers* – August 20<sup>th</sup>, 2014

**University of Toronto Year in Review** – *For some people with Autism, sound and vision aren't linked* – September 1<sup>th</sup>, 2014

**Society for Neuroscience** – Hot-topic press conference: *Crossing sensory modalities: Impaired neural processing efficiency of multisensory integration in Autism Spectrum Disorders* – November 16<sup>th</sup>, 2014

**Simon`s Foundation** – *People with autism have trouble processing sight, sound* – November 17<sup>th</sup>, 2014

## **TEACHING EXPERIENCE**

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### ***Classes Instructed:***

2007            Indiana University            P211: Methods in Psychology

### ***Workshops Instructed:***

2012            York University            fMRI Neuroimaging Methods

### ***Classes Assisted:***

2010            Indiana University            P747: Semester in Cognitive Psychology: Multisensory Integration

2008            Indiana University            P650: Graduate Neuroimaging: Theories and Methods

2008            Indiana University            P433: Undergraduate Neuroimaging: Theories and Methods

2007            Indiana University            K300: Introduction to Statistics

2006, 2007    Indiana University            P151: Introduction to Psychology

### ***Guest Lectures:***

2014            University of Toronto            Professional Psychology

2010            Vanderbilt University            Cochlear Implants

2009            Indiana University            The Perception of Speech

2009            Indiana University            The Mind-Body Connection

2008, 2009    Indiana University            Emotion: The Brain, Hormones, and Evolution

2007, 2008    Indiana University            The Science of Stress

## **STUDENT SUPERVISION**

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### **Doctoral Supervision - Committee**

2016-present Elaine Kwok, University of Western Ontario

### **Master's Supervision - Primary**

2016-present Samantha Schulz, University of Western Ontario

### **Undergraduate Supervision - Primary**

- 2016- Richard Besney, The University of Western Ontario  
*Statistical learning of audiovisual correspondences: An EEG study*
- 2016- Evan Morden, The University of Western Ontario  
*Neural processing of temporal aspects of audiovisual sensory processing*
- 2016- Treva Sadler, The University of Western Ontario  
*Auditory and visual sensory sensitivities and social competency in autism*
- 2015- Jennifer Toulmin, University of Toronto  
*Audiovisual statistical learning and attention to detail in autism*
- 2015- Rebecca Borges, University of Toronto  
*Multisensory processing in autism*
- 2015- Jong Lee  
*Eye gaze during face perception in autism*
- 2014-2016 Aviva Philipp-Muller, University of Toronto  
*Are conjunctive processing deficits in autism specific to faces?*
- 2014-2016 Karen Black, University of Toronto  
*Overstimulation, repetitive behaviors, and distress-related aggression in children with ASD*  
\* Awarded the Undergraduate Research Fund Grant  
\* Awarded the Undergraduate Individual Initiative Grant
- 2014-2016 Ze Yuan Wang, University of Toronto  
*Audiovisual speech perception in autism spectrum disorders*
- 2014-2015 Naomi Hazlet, University of Toronto  
*Engendering autism: Gender differences, sensory perception and autism spectrum disorders*
- 2014-2014 Laura Hesse-Moroney, University of Toronto  
*Holistic versus part-based visual processing in autism spectrum disorders*
- 2014-2014 Victoria Marshman, University of Toronto  
*Biological motion processing in autism spectrum disorders*
- 2012-2014 Mara Rivera, Vanderbilt University  
*Multisensory speech perception in children with autism spectrum disorders*
- 2012-2014 Sarah Greenberg, Vanderbilt University  
*Neural processing of simple asynchronous audiovisual stimuli*
- 2012-2012 Caitlin Nelms, Vanderbilt University  
*Deficits in audiovisual speech perception in normal aging emerge at the level of whole-word recognition*
- 2011-2012 Haley Eberly, Vanderbilt University  
*Evidence for Diminished Multisensory Integration in Autism Spectrum Disorders*
- 2011-2012 Brittany Schneider, Vanderbilt University

- 2011-2012 Raquel Zemstov, Vanderbilt University  
*Arrested development of audiovisual speech perception in autism spectrum disorders*  
*Individual differences in the multisensory temporal binding window predict susceptibility to audiovisual illusions*
- 2010-2011 Magdalena Wilson, Vanderbilt University  
*The effects of visual training on multisensory temporal processing*
- 2008-2010 Ross VanDerKlok, Indiana University  
*Multisensory convergence in occipito-temporal cortex with audio & visual object recognition*  
\* Winner of the Indiana University MAPS Research Symposium Poster Award
- 2007-2008 Sharada Subramanian, Indiana University  
*Influence of affective intensity and stimulus quality on the lateral occipital complex, amygdala, and fusiform gyrus*
- 2005-2006 Marisa Geoghegan, Indiana University  
*Superadditive BOLD activation in superior temporal sulcus with threshold non-speech objects*

## **PROFESSIONAL ORGANIZATIONS AND MEMBERSHIPS**

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Society for Research in Child Development, International Society for Autism Research, Society for Neuroscience, Vision Sciences Society, Organization for Human Brain Mapping, Cornerstone Foundation of Belize

## **GRANTING AGENCY REFEREE**

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- 2016 Netherlands Organization for Health Research and Development (ZonMw): TOP Grant  
2015 NSERC: The Biological Systems and Functions Evaluation Group

## **AD HOC REFEREE**

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Acta Acoustica; Attention, Perception, and Psychophysics; Autism Research; Behavior Research Methods; BMC Neuroscience; Brain and Cognition; Brain and Language; Brain Sciences; Brain Topography; Cerebral Cortex; Clinical Psychological Science; Developmental Neuropsychology; Developmental Psychology; European Journal of Neuroscience; Frontiers in Auditory Cognitive Neuroscience; Frontiers in Psychology; Human Brain Mapping; The International Society for Autism Research; Journal of the Acoustical Society of America; Journal of Autism and Developmental Disabilities; Journal of Cognitive Neuroscience; Journal of Mental Health Research in Intellectual Disabilities; Journal of Neuroscience; Journal of Speech, Language, and Hearing Research; Multisensory Research; Neurobiology of Aging; Neuroimage; Neurology International; Neuromodulation; Neuropsychologia; Neuroscience Letters; The Organization for Human Brain Mapping; PLoS One; Research in Autism Spectrum Disorders, Research in Developmental Disabilities; Scientific Reports – Nature; The Scientific World Journal

## **SERVICE AND SCIENTIFIC ORGANIZATIONS**

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- 2016-2017 2017 International Multisensory Research Forum Scientific Advisory Board  
2015-2016 ART-NeuroDevNet Winter Institute Planning and Advisory Committee  
2015-2017 Autism Research Training Program Trainee Representative  
2007-2008 American Psychological Society Campus Representative  
2005-2007 Coordinator for the Indiana University Neuroimaging Group

## **KNOWLEDGE TRANSLATION / COMMUNITY ENGAGEMENT**

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- 2016 Facilitator – Winter Institute Community Engagement Event  
2016 Knowledge Mobilization and Social Media (Winter Institute Workshop)  
2016 Let’s Talk Science, University of Toronto  
2011-2013 Vanderbilt Children’s Hospital Brain Blast  
2005-2008 Indiana Junior Academy of Science

## **ORGANIZED SYMPOSIUM**

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**Stevenson, R. A.,** Burack, J. A. (2016). Advances in neurodevelopmental theory and implications for research approaches in neurodevelopmental disorders. *3<sup>rd</sup> Biennial Winter Institute*, Banff, AB, Canada.

**Stevenson, R. A.** (Nanosymposium Chair) & Baum, S. H. (2012). Multisensory processing: Clinical populations. *2012 Society for Neuroscience*. New Orleans, LA, USA.

## **SELECTED INVITED TALKS**

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**Stevenson, R. A.** (2016). Face perception issues in Autism may reflect broad conjunctive processing difficulties. *3<sup>rd</sup> Biennial Winter Institute*, Banff, AB, Canada.

**Stevenson, R. A.** (2015). The critical role of temporal processing in speech perception. *Brain and Mind Institute*, University of Western Ontario, London, ON, Canada.

**Stevenson, R. A.** (2015). The impact of atypical sensory perception on social communication in Autism. *Seaver Autism Center*, Icahn School of Medicine, New York, NY, USA.

**Stevenson, R. A.** (2015). It’s a matter of time: Perceptual binding’s impact on cognitive functioning. *Department of Neurobiology and Anatomy*, Wake Forest University School of Medicine, Winston-Salem, NC, USA.

**Stevenson, R. A.** (2014). The development of perceptual binding in children with and without ASD. *Department of Psychology*, University of Toronto, Toronto, ON, Canada.

- Stevenson, R. A.**, Brown-Lavoie, S. M., Segers, M., Bebko, J., Stevens, W. D., Viviano, J., Baum, S., Ferber, S., Barense, M. D., & Wallace, M. T. (2014). Impaired neural processing efficiency of multisensory integration in autism spectrum disorders. *2014 Society for Neuroscience*. Washington DC, USA.
- Stevenson, R. A.** (2014). Perceptual development of sensory binding in children with and without autism spectrum disorders. *University of Toronto Department of Psychology Developmental Interest Group*. University of Toronto, Toronto, ON, Canada.
- Stevenson, R. A.** (2014). Multisensory processing disparities between populations with and without autism spectrum disorders. *2014 Brain, Perception and Cognition Seminar*. Ryerson University, Toronto, ON, Canada.
- Stevenson, R. A.** (2013). Perceptual binding across sensory modalities in autism spectrum disorders. *2013 Ebbinghaus Empire Meeting*. University of Toronto, Toronto, ON, Canada.
- Stevenson, R. A.**, & Wallace, T. W. (2013). Atypical multisensory integration in autism spectrum disorders: Cascading impacts of altered temporal processing. *The 14th Annual International Multisensory Research Forum*, Jerusalem, Israel.
- Siemann, J. K., **Stevenson, R. A.**, Woynaroski, T. G., & Wallace, M. T. (2013). Perception of the sound-induced flash illusion in adolescents with autism spectrum disorders. *The Thirteenth Annual International Meeting for Autism Research*. San Sebastian, Spain.
- Stevenson, R. A.**, Mangus, B. D., Fister, J. K., Labadie, R. P., & Wallace, M. T. (2012). Visual temporal processing as a predictor of proficient speech perception with cochlear implants. *2012 Society for Neuroscience*. New Orleans, LA, USA.
- Foss-Feig, J. H., **Stevenson, R. A.**, Siemann, J. K., Woynaroski, T. G., Camarata, S. M., & Wallace, M. T. (2012). Relating the development of temporal processing and multisensory integration in children with autism spectrum disorders. *2012 Society for Neuroscience*. New Orleans, LA, USA.
- Siemann, J. K., **Stevenson, R. A.**, Schneider, B. C., Eberly, H. E., Woynaroski, T. G., Camarata, S. M., & Wallace, M. T. (2012). Perceptions of audiovisual illusions reveal atypical multisensory processing in autism. *2012 Society for Neuroscience*. New Orleans, LA, USA.
- Wallace, M. T., Siemann, J. K., Schneider, B. C., Eberly, H. E., Woynaroski, T. G., Foss-Feig, J. H., Camarata, S. M., & **Stevenson, R. A.** (2012). Rates of audiovisual speech integration covary with low-level multisensory temporal processing in ASD individuals. *The Twelfth Annual International Meeting for Autism Research*. Toronto, Canada.
- Foss-Feig, J. H., Wilson, C. N., Cockhren, J., Pryweller, J. R., Necessary, C. A., Burnette, C. P., **Stevenson, R. S.**, Siemann, J. K., & Cascio, C. (2012). Impaired Peripheral Sound Localization Is Associated with Repetitive Behaviors and Sensory Abnormalities in Individuals with ASD. *The Twelfth Annual International Meeting for Autism Research*. Toronto, Canada.
- Stevenson, R. A.** (2012). Multisensory temporal integration in typical and autistic populations. *Centre for Vision Research Seminar Series*, York University, Toronto, Canada.

**Stevenson, R. A.** (2010). Multisensory interactions in BOLD fMRI. *Multisensory Research Laboratory*, Vanderbilt University, Nashville, TN.

James, T. W., **Stevenson, R. A.**, & Kim, S. (2009). Assessing multisensory integration with additive factors and functional MRI. *2009 International Society for Psychophysics*. Galway, Ireland.

Kim, S., Eylath, D., **Stevenson, R. A.**, & James, T. W. (2009). Neuronal convergence of visual and somatosensory shape processing in both ventral and dorsal streams. *2009 Society for Neuroscience*. Chicago, IL, USA.

**Stevenson, R. A.** (2008) Asynchrony in audiovisual speech integration: fMRI studies of superior temporal sulcus. *Speech Research Lab*, Indiana University.

## **SELECTED CONFERENCE PROCEEDINGS**

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**Stevenson, R. A.**, Toulmin, J. K., Youm, A., Shultz, S. E., Barense, M. D., & Ferber, S. (2017). The Relationship Between Audiovisual Statistical Learning and Autistic Traits. *The Seventeenth Annual International Meeting for Autism Research*, San Francisco, CA, USA.

Shultz, S. E., Segers, M., Ncube, B. L., Bebko, J. M., & **Stevenson, R. A.** (2017). Sensory Hypersensitivity and the Predictability of Repetitive Behaviours in Autism Spectrum Disorder. *The Seventeenth Annual International Meeting for Autism Research*, San Francisco, CA, USA.

Elfer, M., Segers, M., Ncube, B. L., **Stevenson, R. A.**, & Bebko, J. M. (2017). Error Types in Synchrony Judgment of Audiovisual Stimuli in Children with Autism Spectrum Disorder. *The Seventeenth Annual International Meeting for Autism Research*, San Francisco, CA, USA.

**Stevenson, R. A.**, Ruppel, J., Segers, M., Ncube, B. L., Sun, S. Z., Bebko, J. M., Barense, M. D., & Ferber, S. (2017). Strengths and Weaknesses of Sensory Perception in Autism: A Study of Visual Short-term Memory. *2017 Society for Research in Child Development Biennial Meeting*. Austin, TX, USA.

Segers, M., Bebko, J. M., Ncube, B. L., & **Stevenson, R. A.** (2017) Pupillary Responses to Social Information in Autism Spectrum Disorders and Typical Development: A Predictor of Diagnosis. *2017 Society for Research in Child Development Biennial Meeting*. Austin, TX, USA.

Stevens, W. D, Lavoie, S. M., **Stevenson, R. A.**, Barense, M. D., Wallace, M. T., & Bebko, J. M. (2017). A novel “temporal synchrony” method for identifying multisensory brain regions using fMRI. *Cognitive Neuroscience Society’s 2017 Annual Meeting*. San Diego, CA, USA.

**Stevenson, R. A.**, Ferber, S., Yeung, L. K., Hazlett, N. D., Philipp-Muller, A., Black, K. R., Johnston, M., Wang, Z. Y., & Barense, M. D. (2016). Holistic Processing of Unfamiliar Faces and Novel Objects in Autism. *The Sixteenth Annual International Meeting for Autism Research*, Baltimore, MD, USA.

Wallace, M. T., **Stevenson, R. A.**, & Baum, S. H. (2016). Multisensory Contributions to Autism: Behavioral and Neural Evidence. *The Sixteenth Annual International Meeting for Autism Research*, Baltimore, MD, USA.

Black, K. R., **Stevenson, R. A.**, Ncube, B. L., Segers, M., Sun, S. Z., Bebko, J. M., Philipp-Muller, A., Johnston, M., Wang, Z. Y., Barense, M. D., & Ferber, S. (2016). The Influence of Atypical Sensory Processing and Anxiety on ASD Symptomatology. *The Sixteenth Annual International Meeting for Autism Research*, Baltimore, MD, USA.

Wallace, M.T., Baum, S. H., & **Stevenson, R. A.** (2016). Age-related changes in multisensory temporal acuity and links to cognition. *2016 Society for Neuroscience*, San Diego, CA, USA.

Butera, I. M., **Stevenson, R. A.**, Gifford, R. H., & Wallace, M. T. (2016). Audiovisual Integration in Cochlear Implant Users. *2016 Society for Neuroscience*, San Diego, CA, USA.

Black, K. R., **Stevenson, R. A.**, Ncube, B. L., Segers, M., Sun, S. Z., Bebko, J. M., Philipp-Muller, A., Barense, M. D., & Ferber, S. (2016). Linking anxiety with behavior in autism: The role of hypersensitivity. *Association for Psychological Science Annual Convention*, Chicago, IL, USA.

Wang, Z. Y., Philipp-Muller, A., **Stevenson, R. A.**, Yeung, L. K., Black, K. R., Lee, J., Luk, J., Barense, M. D., & Ferber, S. (2016). Conjunctive Visual Processing Difficulties in Children with Autism Spectrum Disorder. *Tenth Annual Meeting of the Canadian Association for Neuroscience*, Toronto, ON, Canada.

Black, K., **Stevenson, R. A.**, Ncube, B., Segers, M., Sun, S., Bebko, J., Philipp-Muller, A., Johnston, M., Wang, Z., Barense, M.D., & Ferber, S. (2016). Core diagnostic features of autism are influenced by sensory sensitivities. *2016 Lake Ontario Visionary Establishment*, Niagara, ON, Canada.

Philipp-Muller, A., Wang, Z., **Stevenson, R. A.**, Yeung, L., Black, K., Johnston, M., Barense, M., Ferber, K. (2016). Are conjunctive processing deficits in autism specific to faces? *2016 Lake Ontario Visionary Establishment*, Niagara, ON, Canada.

Black, K. R., **Stevenson, R. A.**, Ncube, B. L., Segers, M., Sun, S. Z., Bebko, J. M., Philipp-Muller, A., Johnston, M., Wang, Z. Y., Barense, M. D., & Ferber, S. (2016). Hypersensitivity influences specific phobia and insistence on sameness in children with but not without autism. *Ontario Association on Developmental Disabilities Conference*, London, ON, Canada.

**Stevenson, R. A.**, Segers, M., Ncube, B. L., Sun, S. Z., Hazlett, N. D., Ruppel, J. D. N., Ferber, S., & Barense, M. D. (2015). Perceptual binding and audiovisual speech perception in Autism Spectrum Disorders. *The Fifteenth Annual International Meeting for Autism Research*, Salt Lake City, UT, USA.

*\*Winner of the IMFAR Travel Award*

Brown-Lavoie, S. M., **Stevenson, R. A.**, Wallace, M. T., Bebko, J. M., & Stevens, W. D. (2015). An fMRI Exploration of Atypical Multisensory Perception in Autism Spectrum Disorders. *The Fifteenth Annual International Meeting for Autism Research*, Salt Lake City, UT, USA.

**Stevenson, R. A.**, Segers, M., Barense, M. D., & Ferber, S. (2015). On the spectrum: Sensory perception influences socio-communication in ASD. *2015 Society for Neuroscience*. Chicago, IL, USA.

Baum, S. H., **Stevenson, R. A.**, Newhouse, P. A., & Wallace, M. T. (2015). Connecting individual differences in sensory and cognitive function in healthy aging. *2015 Society for Neuroscience*. Chicago, IL, USA.

Butera, I. M., **Stevenson, R. A.**, Gifford, R. H., & Wallace, M. T. (2015). Audiovisual Integration in Cochlear Implant Users. *2015 Society for Neuroscience*. Chicago, IL, USA.

Hazlett, N. D., **Stevenson, R. A.**, Yeung, L. K., Ferber, S., & Barense, M. D. (2015). Conjunctive versus single-feature processing in relation to Autistic traits. *The International Conference on Perceptual Organization*. Toronto, ON, Canada.

Black, K. R., **Stevenson, R. A.**, Ncube, B. L., Segers, M., Sun, S. Z., Bebko, J. M., Barense, M. D., & Ferber, S. (2015). Stable sensory phenotypes in autism influence ASD symptomatology. *The International Conference on Perceptual Organization*. Toronto, ON, Canada.

Black, K. R., **Stevenson, R.A.**, Ncube, B. L., Segers, M., Bebko, J. M., Barense, M. D., & Ferber, S. (2015). Sensory processing, anxiety and repetitive behaviour in children with ASD. *NeuroXchange Neuroscience Conference*. Hamilton, ON, Canada.

**Stevenson, R. A.**, Brown-Lavoie, S. M., Segers, M., Bebko, J., Stevens, W. D., Viviano, J., Baum, S., Ferber, S., Barense, M. D., & Wallace, M. T. (2015). Impaired neural processing efficiency of perceptual binding in autism spectrum disorders. *2015 Lake Ontario Visionary Establishment*, Niagara, ON, Canada.

Sun, S. Z., **Stevenson, R. A.**, Hazlett, N. D., Barense, M. D., Cant, J. S., & Ferber, S. (2015). Individual differences in autistic traits predict visual binding abilities. *2015 Vision Sciences Society*. FL, USA.

Butera, I., **Stevenson, R. A.**, Gifford, R., & Wallace, M.T. (2015) Audiovisual Integration in Children with Cochlear Implants. *2015 Conference on Implantable Auditory Prostheses*, Lake Tahoe, CA, USA.

**Stevenson, R. A.**, Brown-Lavoie, S. M., Segers, M., Bebko, J., Stevens, W. D., Viviano, J., Baum, S., Ferber, S., Barense, M. D., & Wallace, M. T. (2014). Impaired neural processing efficiency of multisensory integration in autism spectrum disorders. *2014 Society for Neuroscience*. Washington DC, USA.

*\*Poster selected for a Society for Neuroscience hot-topic press conference*

Baum, S. H., **Stevenson, R. A.**, Kruger Fister, J., Newhouse, P. A., & Wallace, M. T. Audiovisual temporal processing across the lifespan. *2014 Society for Neuroscience*. Washington DC, USA.

**Stevenson, R. A.**, Segers, M., Brown, S. M., Bebko, J., Woynaroski, T. G., Siemann, J. K., Oczak, S., Wallace, M. T. (2013). An fMRI study of multisensory integration of audiovisual speech in autism spectrum disorders: effects of temporal synchrony. *The Thirteenth Annual International Meeting for Autism Research*. San Sebastian, Spain.

Wallace, M. T., **Stevenson, R. A.**, Schuster, A., Woynaroski, T. G., Siemann, J. K. (2013). Behavioral facilitation from multisensory integration of audiovisual speech in noise in autism spectrum disorders. *The Thirteenth Annual International Meeting for Autism Research*. San Sebastian, Spain.

Woynaroski, T. G., **Stevenson, R. A.**, Siemann, J. K., Dowell, L. E., Foss-Feig, J. H., Rivera, M., Wallace, M. T. (2013). Evidence of inaccurate and inefficient visual speech perception in children with autism spectrum disorders. *The Thirteenth Annual International Meeting for Autism Research*. San Sebastian, Spain.



**Stevenson, R. A.**, Siemann, J. K., Eberly, H. E., Schneider, B. C., Woynaroski, Foss-Feig, J. H., T. G., Camarata, S. M., & Wallace, M. T. (2013). Multisensory temporal processing in autism spectrum disorders. *2013 Society for Research in Child Development Biennial Meeting*. Seattle, WA, USA.

**Stevenson, R. A.**, Siemann, J. K., Eberly, H. E., Schneider, B. C., Woynaroski, Foss-Feig, J. H., T. G., Camarata, S. M., & Wallace, M. T. (2013). The relationship between temporal processing and multisensory integration throughout typical development. *2013 Society for Research in Child Development Biennial Meeting*. Seattle, WA, USA.

**Stevenson, R. A.**, Mullin, C., Wallace, T. W., & Steeves, J. (2013). fMRI-guided TMS of the superior temporal sulcus impairs multisensory temporal processing. *The 14th Annual International Multisensory Research Forum*, Jerusalem, Israel.

Nidiffer, A., **Stevenson, R. A.**, & Wallace, T. W. (2013). Development of multisensory temporal processing: Bridging between animal and human studies. *The 14th Annual International Multisensory Research Forum*, Jerusalem, Israel.

Schlesinger III, J. J., **Stevenson, R. A.**, & Wallace, M. T. (2012). Effects of multisensory training on pitch perception of a pulse oximeter. *2012 Society for Neuroscience*. New Orleans, LA, USA.

Mangus, B. D., Fister, J. K., **Stevenson, R. A.**, Sheffield, S. W., Hedley-Williams, A. J., Gifford, R. H. Labadie, R. P., & Wallace, M. T. (2012). Longitudinal changes in multisensory temporal processing after cochlear implantation. *2012 Society for Neuroscience*. New Orleans, LA, USA.

**Stevenson, R. A.**, Siemann, J. K., Eberly, H. E., Schneider, B. C., Camarata, S. M., & Wallace, M. T. (2012). Atypical development of temporal perception in ASD is associated with deficits in audiovisual speech integration. *2012 12th Annual Meeting of the Vision Sciences Society*. Naples, FL, USA.

Schlesinger III, J. J., **Stevenson, R. A.**, & Wallace, M. T. (2012). Effects of multisensory training on pitch perception of a pulse oximeter. *2012 Annual American Medical Associating Research Symposium*. Honolulu, HI, USA.

**Stevenson, R. A.**, Siemann, J. K., Eberly, H. E., Schneider, B. C., Woynaroski, Foss-Feig, J. H., T. G., Camarata, S. M., & Wallace, M. T. (2012). The developmental trajectories of multisensory integration differ between autistic and typically developed individuals. *The Twelfth Annual International Meeting for Autism Research*. Toronto, Canada.

Siemann, J. K., **Stevenson, R. A.**, Schneider, B. C., Eberly, H. E., Woynaroski, Foss-Feig, J. H., T. G., Camarata, S. M., & Wallace, M. T. (2012). Comparing the multisensory temporal binding windows of TD & ASD individuals as a function of stimulus complexity. *The Twelfth Annual International Meeting for Autism Research*. Toronto, Canada.

Woynaroski, T. G., Dowell, L. E., Foss-Feig, J. H., **Stevenson, R. A.**, Siemann, J. K., Camarata, S. M., & Wallace, M. T. (2012). Multisensory speech perception in high-functioning children with autism spectrum disorders. *The Twelfth Annual International Meeting for Autism Research*. Toronto, Canada

Foss-Feig, J. H., Wilson, C. N., Cockhren, J., Pryweller, J. R., Necessary, C. A., Burnette, C. P., **Stevenson, R. A.**, Siemann, J. K., & Cascio, C. J. (2012). Impaired peripheral sound localization is associated with repetitive

behaviors and sensory abnormalities in individuals with ASD. *The Twelfth Annual International Meeting for Autism Research*. Toronto, Canada

Schlesinger III, J. J., Wallace, M. T., & **Stevenson, R. A.** (2012). Effects of multisensory training on pitch perception of a pulse oximeter. *2012 Annual Meeting of the American Society of Anesthesiologists*. Washington, D. C., USA.

**Stevenson, R. A.**, Mangus, B. D., Fister, J. K., Hedley-Williams, A. J., Labadie, R. P, & Wallace, M. T. (2011). Changes in the multisensory temporal binding window with healthy aging. *2011 Society for Neuroscience*. Washington, D.C., USA.

Mangus, B. D., **Stevenson, R. A.**, Fister, J. K., Labadie, R. P., & Wallace, M. T. (2011). Multisensory integration in cochlear implant users: Impacts of temporal coincidence. *2011 Society for Neuroscience*. Washington, D.C., USA.

Wallace, M. T., Fister, J. K., Barnett, Z. P., Nidiffer, A. R., & **Stevenson, R. A.** (2011). The multisensory temporal binding window: Impacts of stimulus location and salience. *2011 Society for Neuroscience*. Washington, D.C., USA.

Nidiffer, A. R., **Stevenson, R. A.**, Fister, J. K., Barnett, Z. P., & Wallace, M. T. (2011). Interactions between space and effectiveness in multisensory integration. *2011 Society for Neuroscience*. Washington, D.C., USA.

**Stevenson, R. A.**, Siemann, J. K., Camarata, S. M., & Wallace, M. T. (2011). The multisensory temporal binding window: Perceptual fusion, training, and autism. *The Twelfth International Multisensory Research Forum*. Fukuoka, Japan.

**Stevenson, R. A.**, Zemtsov, R. K., & Wallace, M. T. (2011). Multisensory illusions and the temporal binding window. *The Twelfth International Multisensory Research Forum*. Fukuoka, Japan.

**Stevenson, R. A.**, Fister J. K., Barnett, Z. P., Nidiffer, A. R., & Wallace, M. T. (2011). Multisensory interactions across spatial location and temporal synchrony. *The Twelfth International Multisensory Research Forum*. Fukuoka, Japan.

**Stevenson, R. A.**, Mangus, B. D., Fister, J. K., Siemann, J., Hedley-Williams, A. J., Labadie, R. P, & Wallace, M. T. (2011). Multisensory integration in cochlear implant users: Temporal factors. *4th International and Interdisciplinary Research Conference on Aging and Speech Communication*. Bloomington, IN, USA.

**Stevenson, R. A.**, Mangus, B. D., Fister, J. K., Siemann, J., Hedley-Williams, A. J., Labadie, R. P, & Wallace, M. T. (2011). Temporal factors in multisensory integration across the lifespan. *4th International and Interdisciplinary Research Conference on Aging and Speech Communication*. Bloomington, IN, USA.

**Stevenson, R. A.**, VanDerKlok, R. M., Kim, S., & James, T. W. (2009). Different neural networks underlie temporal asynchrony and semantic incongruity effects in audiovisual speech. *2009 Society for Neuroscience*. Chicago, IL, USA.

*\*Poster selected by the Faculty of 1000*

**Stevenson, R. A.**, Altieri, N. A., Kim, S., Pisoni, D. B., & James, T. W. (2009). Different neural networks underlie temporal asynchrony and stimulus saliency effects with audiovisual speech. *3rd International and Interdisciplinary Research Conference on Aging and Speech Communication*. Bloomington, IN, USA.

**Stevenson, R. A.**, Kim, S., & James, T. W. (2009). Investigating viable criteria for assessing neuronal convergence with BOLD fMRI. *The Tenth International Multisensory Research Forum*. New York, NY, USA.

Kim, S., **Stevenson, R. A.**, Eylath, D., & James, T. W. (2009). Inverse effectiveness in the left but not right lateral occipital complex during visuo-haptic object categorization. *The Tenth International Multisensory Research Forum*. New York, NY, USA.

**Stevenson, R. A.**, VanDerKlok, R. M., Kim, S., & James, T. W. (2009). Perception-based responses in a sub-region of multisensory superior temporal sulcus: Distinct BOLD responses with perceived-synchronous and perceived-asynchronous audiovisual speech. *2009 9th Annual Meeting of the Vision Sciences Society*. Naples, FL, USA.

Lee, S., Lang, A., Kim, S., **Stevenson, R. A.**, & James, T. W. (2009). Neural effects of exposure to emotional faces in media content: Type (human vs. animal), form (cartoon vs. real), and emotion (positive, negative, and neutral). *2009 Annual Meeting of the International Communication Association*. Chicago, IL, USA.

James, T. W., **Stevenson, R. A.**, & Kim, S. (2009). Assessing multisensory integration with additive factors and functional MRI. *Proceedings of the International Society for Psychophysics*. Galway, Ireland.

**Stevenson, R. A.**, Altieri, N. A., Kim, S., & James, T. W. (2008). Anatomically and functionally distinct regions within multisensory superior temporal sulcus differentially integrate temporally-asynchronous speech. *The Ninth International Multisensory Research Forum*. Hamburg, Germany.

Kim, S., Eylath, D., **Stevenson, R. A.**, & James, T. W. (2008). Evidence for ventral and dorsal neural pathways for visuo-haptic object recognition. *The Ninth International Multisensory Research Forum*. Hamburg, Germany.

**Stevenson, R. A.**, Stevenson, L. D., Rupp, H. A., Kim, S., & James, T. W. (2008). Emotional responses to sexual words: Including sexual emotions in basic and dimensional frameworks of affect. *The 34th Annual Meeting of the International Academy of Sex Research*. Leuven, Belgium.

Lee, S., Kim, S., **Stevenson, R. A.**, James, T. W., & Lang, A. (2008) Neural effects of exposure to emotional faces: Human and animal cartoons vs. human and animal photographs. *The 48<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research*. Austin, TX, USA.

**Stevenson, R. A.**, Kim, S., & James, T. W. (2007). Degraded audio-visual speech and object stimuli increases multisensory enhancement in the BOLD fMRI signal. *2nd International and Interdisciplinary Research Conference on Aging and Speech Communication*. Bloomington, IN, USA.

**Stevenson, R. A.**, Geoghegan, M. L., & James, T. W. (2007). Degrading audio-visual stimuli inversely affects superadditive multisensory enhancement in the BOLD signal. *The Thirteenth Annual Meeting of the Organization for Human Brain Mapping*. Chicago, IL, USA.

*\*Winner of the OHBM Travel Award*