

# CURRICULUM VITAE

## Ryan A. Stevenson

Assistant Professor

*University of Western Ontario*  
Department of Psychology  
Brain & Mind Institute  
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## 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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- 2017- **University of Western Ontario, London, ON, Canada**  
Department of Psychiatry, Schulich School of Medicine and Dentistry
- 2017- **University of Western Ontario, London, ON, Canada**  
Neuroscience Program, Schulich School of Medicine and Dentistry
- 2017- **York University, Toronto, ON, Canada**  
Centre for Vision Research, Adjunct Faculty
- 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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**Total Funding to Date (Grants and Awards, Direct contributions only)**  
**\$4,079,780**

- 2018-2023 **National Institutes of Health - R01**  
 Multisensory Development: New Measures and a Collaborative Database  
 Role: Site PI  
 PI: Lorraine Bahrick  
 Direct: \$2,551,508  
 USD  
 Indirect: \$1,123,858  
 USD
- 2018-2023 **Early Researcher Award**  
*Sensory disturbances in Autism and their cascading influence on behaviour and neural processing*  
 Role: Principal Investigator  
 \$140,000 CAD
- 2018-2019 **Simons Foundation – Explorer Grant**  
*Sensory processing in ASD – a multi-level approach*  
 Role: Co-investigator  
 PI: Susanne Schmid  
 \$80,000 USD
- 2018-2019 **Kids Brain Health Network - Team Development Grant**  
*Intelligent solutions for atypical auditory processing in children with neurodevelopmental disorders*

	Role: Co-investigator PI: Elina Birmingham, Siamak Arzanpour	\$99,165 CAD
2018-2019	<b>BrainsCAN Accelerator - Stimulus</b> <i>Establishing a translational platform for studying sensory processing in neurodevelopmental disorders</i> Role: Co-investigator PI: Susanne Schmid	\$66,500 CAD
2018-2019	<b>SSHRC Internal Travel Grant</b> <i>Sensory processing in autism spectrum disorder</i> Role: Principal Investigator	\$7,000 CAD
2018-2019	<b>SSHRC Internal Research Grant</b> <i>Statistical learning in autism</i> Role: Principal Investigator	\$7,000 CAD (declined)
2017-2018	<b>BrainsCAN Accelerator - Stimulus</b> <i>Neurocognitive, Genetic and Environmental Risk Factors of Learning Disorders in Children</i> Role: Co-investigator PI: Marc Joanisse	\$97,209 CAD
2017-2022	<b>Social Sciences and Humanities Research Council Insight Grant</b> <i>Social competency and repetitive behaviours in autism: The role of impaired sensory processing</i> Role: Principal Investigator	\$308,927 CAD
2017-2022	<b>Natural Sciences and Engineering Research Council Discovery Grant</b> <i>The neurodevelopment of multisensory integration</i> Role: Principal Investigator	\$150,000 CAD
2017-2018	<b>Western Social Sciences and Humanities Research Council Seed Grant</b> <i>Social competency and repetitive behaviours in autism: The role of impaired sensory processing</i> Role: Principal Investigator	\$24,987 CAD
2017-2018	<b>Western Natural Sciences and Engineering Seed Grant</b> <i>The neurodevelopment of multisensory integration</i> Role: Principal Investigator	\$21,000 CAD
2017-2018	<b>Faculty Research Development Fund Travel Grant</b> \$1,500 CAD	
2017-2017	<b>Western University Department of Psychiatry</b> <i>Autism Research Training Program Summer School</i>	

	Role: Conference Organizer	\$20,000 CAD
2016-2017	<b>Western University Faculty Research Development Fund</b> <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 (declined)
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 (declined)
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 USD	Aging and Speech Communication Student Scholarship	\$1000
2007-2008	Friends of the Kinsey Institute Research Grant	\$500 USD
2006 \$500 USD	Graduate and Professional Student Organization Research Grant	

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

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2018	Early Career Alumni Award, Indiana University
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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**60 Publications (29 First Author, 8 Senior Author)**

**2437 Citations according to Google Scholar (Oct 15<sup>th</sup>, 2018)**

**H-index: 25**

**i10-index: 41**

### **In Prep**

**Stevenson, R. A.**, Sun, S., Ruppel, J., Segers, M., Ncube, B., Barense, M. D., & Ferber, S. (In Prep). Perceptual binding errors in autistic children during a visual working memory task.

Segers, M., Bebko, J. M., Ncube, B. N., & **Stevenson, R. A.** (In Prep). Psychophysiological indicators of multisensory processing in autism spectrum disorder and typical development: A pupillometry study.

Parks, K. P., Oram-Cardy, J., Woynaroski, T., & **Stevenson, R. A.** (In Prep). Language and social competency relate to ADHD symptomatology.

### **Under Review**

**Stevenson, R. A.**, Philipp-Muller, A., Hazlett, N., Wang, Z. E., Luk, J., Lee, J., Black, K. R., Yeung, L., Shafai, F., Segers, M., Ferber, S., & Barense, M. D. (Under Second Review). Altered visual conjunctive processing in autism. *Frontiers in Psychology*.

Schulz, S. & **Stevenson, R. A.** (Under Second Review). Auditory and visual sensory sensitivity predicts autism-related issues of social competency. *Autism*.

Parks, K. P., Griffith, L., Noonan, N., & **Stevenson, R. A.** (Under Review). Statistical learning and social communication: The mediating role of language. *Journal of Memory and Language*.

Parks, K. P. & **Stevenson, R. A.** (Under Review). ADHD symptoms do not relate to statistical language learning. *Frontiers in Psychology*.

Alkhudidi, A., **Stevenson, R. A.**, & Rafat, Y. (Under Review). Geminate attrition in the speech of Arabic-English bilinguals living in Canada. *Bilingualism: Language and Cognition*.

### **In Press**

60. Lowe, M. X., **Stevenson, R. A.**, Barense, M. D., Cant, J. S., & Ferber, S. (In Press). Autistic traits predict the implicit bias of ensemble statistics for information from the visual environment. *Attention, Perception, & Psychophysics*.

59. Feldman, J., Kuang, W., Tu, A., Conrad, J., Santapuram, P., **Stevenson, R. A.**, Kwayke Dowell, L., Wallace, M., & Woynaroski, T. (In Press). Differences in multisensory integration covary with differences in sensory responsiveness in children with and without autism spectrum disorder. *Journal of Autism and Developmental Disorders*.

58. Rafat, Y. & **Stevenson, R. A.** (In Press). Auditory-orthographic integration at the onset of L2 speech acquisition: the case of naïve English-speaking learners of Spanish. *Language and Speech*.

57. Schulz, S. & **Stevenson, R. A.** (In Press). The relationship between sensory hypersensitivity and repetitive behaviours in autistic children. *Journal of Autism and Developmental Disorders*.

56. Varona, D., Cordero, Ruiz-Pena, E., Dario Sierra, E., Stevenson, R. A. & Rafat, Y. (In Press). The effect of salience on the imitation of Italian and Cuban Spanish geminates by Colombian Spanish speakers. In E. Babatsouli (ed.), *Crosslinguistic research in monolingual and bilingual speech*. Chania, Greece: ISMBS.

### **2018**

55. Butera, I. M., **Stevenson, R. A.**, Mangus, B. D., Woynaroski, T. G., Gifford, R. H., & Wallace, M. T. (2018). Audiovisual temporal processing in postlingually deafened adults with cochlear implants. *Scientific Reports*, 8(1), 11345.

54. **Stevenson, R. A.**, Segers, M., Ncube, B.L., Black, K. R., Bebko, J. M., Ferber, S., Barense, M. D. (2018). The cascading influence of low-level multisensory processing on speech perception in Autism. *Autism*, 22(5), 609-624.

53. Noel, J-P., **Stevenson, R. A.**, Wallace, M. T. (In Press). Causal Inference of audiovisual speech in autism and schizophrenia: Same Phenomenology, different cause. *European Journal of Neuroscience*, 47(10), 1230-1241. DOI: 10.1111/ejn.13911

52. **Stevenson, R. A.**, Sun, S. Z., Hazlett, N., Cant, J. S., Barense, M. D., & Ferber, S. (2018). 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*, 48(4), 1382–1396.

51. **Stevenson, R. A.**, Baum, S. H., Krueger Fister, J., Newhouse, P. A., & Wallace, M. T. (2018). Links between temporal acuity and multisensory integration across lifespan. *Journal of Experimental Psychology: Human Perception and Performance*, 44(1), 106-116.

### **2017**

50. **Stevenson, R. A.**, Toulmin, J. K., Youm, A., Besney, R., Barense, M. D., & Ferber, S. (2017).

Statistical learning and autistic traits: A study of multisensory temporal adaptation. *Nature: Scientific Reports*, 7(1), 14,354.

49. Baum, S. H. & **Stevenson, R. A.** (2017). Shifts in Auditory and Visual Processing in Healthy Aging. *Current Behavioral Neuroscience Reports*, 4(3), 198-208.

48. **Stevenson, R. A.**, Sheffield, S. W., Butera, I. M., Gifford, R. H., Wallace, M. T. (2017). Multisensory integration in cochlear implant recipients. *Ear and Hearing*, 38(5), 521-538.

47. **Stevenson, R. A.**, Baum, S. H., Segers, M., Rivera, M., Ferber, S., Barense, M. D., & Wallace, M. T. (2017). Multisensory speech perception in autism spectrum disorder: From phoneme to whole-word perception. *Autism Research*, 10(7), 1280-1290.

46. Black, K. R., **Stevenson, R. A.**, M., Segers, M., Ncube, B.L., Sun, S. Z., Philipp-Muller, A., Bebko, J. M., Ferber, S., Barense, M. D. (2017). Linking anxiety and insistence on sameness in autistic children: The role of hypersensitivity. *Journal of Autism and Developmental Disorders*, 47(8), 2459-2470.

45. Noel, J.P., DeNier, M., **Stevenson, R. A.**, Alais, D., & Wallace, M. T. (2017) Atypical rapid audio-visual temporal recalibration in autism spectrum disorders. *Autism Research*, 10(1), 121-129.

44. Jahn, K. N., **Stevenson, R. A.**, Wallace, M.T. (2017). Visual Temporal Acuity is Predictive of Auditory Speech Perception Abilities in Cochlear Implant Users. *Ear and Hearing*, 38(2), 236-243.

43. **Stevenson, R. A.**, Park, S., Cochran, C., McIntosh, L. G., Noel, J-P., Barense, M.D., Ferber, S., & Wallace, M. T. (2017). The impact of multisensory temporal processing on symptoms of schizophrenia. *Schizophrenia Research*, 179, 97-103.

42. Rafat, Y., Mohaghegh, M., & **Stevenson, R. A.** (2017). Geminate attrition across three generations in Farsi-English bilinguals living in Canada: An acoustic Study. *Ilha Do Desterro*, 70(3), 151-168.

41. Varona, D., Ruiz-Peña, E., Sierra, E. D., **Stevenson, R. A.**, & Rafat, Y. (2017). Second dialect and second language imitation of geminates by Colombian Spanish speakers. *Proceedings of the International Symposium on Monolingual and Bilingual Speech 2017*, 99-105.

## **2016**

40. **Stevenson, R. A.**, Segers, M., Ferber, S., Barense, M. D., Camarata, S., & Wallace, M. T. (2016). Keeping time in the brain: Autism spectrum disorder and audiovisual temporal processing. *Autism Research*, 9(7), 720-738.

39. 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.

38. 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.

37. Krueger-Fister, J., **Stevenson, R. A.**, Barnett, Z. P., & Wallace, M.T. (2016). Multisensory interactions across stimulus effectiveness and temporal synchrony. *Neuropsychologia*, 88, 92-100.

36. 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*, 88, 83-91.

35. Lowe, M. X., **Stevenson, R. A.**, Wilson, K. E., Ouslis, N. E., Barense, M. D., Cant, J. S., Ferber, S. (2016). Sensory processing patterns predict the integration of information held in visual working

memory. *Journal of Experimental Psychology: Human Perception and Performance*, 42(2), 294-301.

## **2015**

34. **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.

33. 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.

32. 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.

31. 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.

30. 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**

29. **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.

28. **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.

27. **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.

26. **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.

25. 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.

24. **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.

23. **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.

22. 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**

21. 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.

20. **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.

19. **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.

18. **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**

17. **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.

16. **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.

15. **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.

14. **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.

13. 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

12. 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.

11. 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**

10. **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.

9. **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.

8. 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.

7. 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**

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

5. **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.

4. **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.

3. **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.

2. **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.

1. **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:***

2018	Western University	Psych 9260: Cognitive, Developmental, and Brain Sciences Proseminar
2018	Western University	Psych 4190: Special Topics in Sensory Perception: Multisensory Integration
2017-18	Western University	Psych 3800: Psychological Statistics for Computers (4 semesters)
2007	Indiana University	P211: Methods in Psychology

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

2012	York University	fMRI Neuroimaging Methods
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### ***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:***

2018	Western University	Psych 9135b: Clinical Neuropsychology - Autism
2017	Western University	Research Domain Criteria and the DSM-5
2014-2016	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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### Postdoctoral Supervision - Primary

- 2018- Christina McDonnell, University of Western Ontario  
\* 2018 BrainsCAN Postdoctoral Award Tier II Winner (\$120,000)  
\* 2018 Western Cognitive Neuroscience Postdoctoral Competition Winner (\$50,000)
- 2017- Fakhri Shafai, University of Western Ontario  
\* 2018 International Society for Autism Research Travel Award (\$500)  
\* 2017 C. Kingsley Allison Research Grant Competition Winner (\$8,500)  
\* 2017 Western Cognitive Neuroscience Postdoctoral Competition Winner (\$50,000)

### Doctoral Supervision - Primary

- 2018 Samantha Schulz, Psychology (CDSB/Clinical), University of Western Ontario

### Master's Supervision - Primary

- 2018 Anne-Marie Muller, Psychology (Clinical), University of Western Ontario
- 2018 Meara Stow, Psychology (CDSB), University of Western Ontario
- 2017- Kaitlyn Parks, Psychology (CDSB), University of Western Ontario  
\* 2018 Autism Scholar's Award Winner (\$18,000)  
\* 2018 Ontario Graduate Scholarship Winner (\$15,000)  
\* 2017 C. Kingsley Allison Research Grant Competition Winner (\$8,500)
- 2017- Sebastian Lauzon, Psychology (CDSB), University of Western Ontario
- 2016-2018 Samantha Schulz, Psychology (CDSB), University of Western Ontario  
\* 2018 Ontario Graduate Scholarship Winner (\$15,000)  
\* 2018 Autism Research Training Program  
\* 2017 Dr. Benjamin Goldberg Research Grant Competition Winner (\$3,000)  
\* 2017 C. Kingsley Allison Research Grant Competition Winner (\$8,500)

### Undergraduate Supervision - Primary

- 2018- Arin Abraham, University of Western Ontario
- 2018- Christina Sakellis, University of Western Ontario
- 2018- Noah Brierley, University of Western Ontario
- 2018- Alexandra Hawkins, University of Western Ontario
- 2018- Lindsey Smith, University of Western Ontario
- 2018- Elizabeth Gateman, University of Western Ontario
- 2017- Tyler Dalal, The University of Western Ontario  
*Schizotypal personality traits and sensory processing*  
\* Awarded the 2018 NSERC Undergraduate Student Research Award
- 2017- Lauryn Richardson, The University of Western Ontario  
*Gender and Autism*  
\* Awarded the 2018 NSERC Undergraduate Student Research Award

- 2017-2018 Sara Jasim, The University of Western Ontario  
*Auditory and visual discrimination tasks relate to autistic traits*  
\* Awarded the Best Poster Award at the 2018 Lake Ontario Visionary Establishment
- 2017-2018 Zack Cohen, University of Western Ontario  
*Multisensory integration and autistic traits in a non-clinical population*
- 2016-2018 Laura Giffith, The University of Western Ontario  
*Auditory and visual statistical leaning and autistic traits*
- 2016-2017 Richard Besney, The University of Western Ontario  
*Audiovisual temporal recalibration and autistic traits*  
Author on publication #50
- 2016-2017 Evan Morden, The University of Western Ontario  
*Neural processing of temporal aspects of audiovisual sensory processing*
- 2016-2017 Treva Sadler, The University of Western Ontario  
*Auditory and visual sensory sensitivities and social competency in autism*
- 2015-2017 Jennifer Toulmin, University of Toronto  
*Audiovisual statistical learning and attention to detail in autism*  
Author on publication #50
- 2015-2017 Ariana Youm, University of Toronto  
*Audiovisual statistical learning and autistic traits*  
Author on publication #50
- 2015-2016 Rebecca Borges, University of Toronto  
*Multisensory processing in autism*
- 2015-2017 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?*  
Author on publication #46
- 2014-2016 Karen Black, University of Toronto  
*Overstimulation, repetitive behaviors, and distress-related aggression in children with ASD*  
Author on publications #46, 53  
\* 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*  
Author on publication #52
- 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*  
Author on publication #47
- 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*  
Author on publication #34
- 2011-2012 Haley Eberly, Vanderbilt University  
*Evidence for Diminished Multisensory Integration in Autism Spectrum Disorders*  
Author on publications #26, 27, 29
- 2011-2012 Brittany Schneider, Vanderbilt University  
*Arrested development of audiovisual speech perception in autism spectrum disorders*  
Author on publications #26, 27, 29
- 2011-2012 Raquel Zemstov, Vanderbilt University  
*Individual differences in the multisensory temporal binding window predict susceptibility to audiovisual illusions*  
Author on publication #16
- 2010-2011 Magdalena Wilson, Vanderbilt University  
*The effects of visual training on multisensory temporal processing*  
Author on publication #20
- 2008-2010 Ross VanDerKlok, Indiana University  
*Multisensory convergence in occipito-temporal cortex with audio & visual object recognition*  
Author on publications #7, 8, 9  
\* 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*  
Author on publication #2

### **Doctoral Supervision - Committee**

- 2017- Moriah Sokolowski, University of Western Ontario, Psychology
- 2017- Zachary Hawes, University of Western Ontario, Psychology
- 2017- Nicole Noonan, University of Western Ontario, Psychology
- 2016-2017 Elaine Kwok, University of Western Ontario, Communication Science and Disorders

### **Master's Supervision - Committee**

- 2017- Shannon Copton, University of Western Ontario, Neuroscience
- 2017- Leah Brainin, University of Western Ontario, Psychology

### **Doctoral Supervision – Examiner**

- 2018- Vanessa Bao, McGill University, Clinical Psychology  
2017- Anna Blumenthal, University of Western Ontario, Psychology  
2017- Elkin Sierra, University of Western Ontario, Linguistics

### **Master’s Supervision - Examiner**

- 2018 Ola Mohamed Ali, University of Western Ontario, Psychology  
2017 Maedbh King, University of Western Ontario, Neuroscience  
2017 Nahal Kamkar, University of Western Ontario, Psychology  
2016-2016 Cindy Narinesingh, University of Toronto, Hospital for Sick Children, Psychology

### **Other Mentees**

- 2014-2016 Busisiwe Ncube, York University  
Role: Clinical Psychology Graduate Student  
Author on publications #46, 53
- 2012-2017 Magali Segers, York University  
Role: Clinical Psychology Graduate Student  
Author on publications #28, 40, 46, 47, 53
- 2011-2012 Joseph Schlessinger, Vanderbilt University Medical Center  
Role: Anesthesiology Medical Resident  
Author on publications #18, 22
- 2011-2012 Branon Mangus, Vanderbilt University Medical Center  
Role: Otolaryngology Medical Resident

## **PROFESSIONAL ORGANIZATIONS AND MEMBERSHIPS**

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Autism Research Training Program, Province of Ontario Neurodevelopmental Disabilities Network, 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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- 2017 National Science Foundation  
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; Acta Psychologica; Attention, Perception, and Psychophysics; Autism; Autism Research; Autism Spectrum Disorder and Language Impairments; Behavior Research Methods; BMC Neuroscience; Brain and Cognition; Brain and Language; Brain Sciences; Brain Topography; Cerebral Cortex; Child Development; Clinical Psychological Science; Developmental Neuropsychology; Developmental Psychology; Ear and Hearing; European Journal of Neuroscience; Experimental Brain Research; Frontiers in Auditory Cognitive Neuroscience; Frontiers in Psychology; Human Brain Mapping; Infant and Child Development; The International Society for Autism Research; Journal of

the Acoustical Society of America; Journal of Autism and Developmental Disorders; Journal of Cognitive Neuroscience; Journal of Communication Disorders; Journal of Experimental Child Psychology; Journal of Mental Health Research in Intellectual Disabilities; Journal of Neuroscience; Journal of Speech, Language, and Hearing Research; Multisensory Research; Nature Reviews Immunology; Nature Reviews Neuroscience, Nature Scientific Reports; Neurobiology of Aging; Neuroimage; Neurology International; Neuromodulation; Neuropsychologia; Neuroscience Letters; The Organization for Human Brain Mapping; PLoS One; Proceedings of the Royal Society B; Progress in Neurobiology; Research in Autism Spectrum Disorders, Research in Developmental Disabilities; Scientific Reports – Nature; The Scientific World Journal

## **SERVICE AND SCIENTIFIC ORGANIZATIONS**

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2017-2018 International Multisensory Research Forum Local Organizing Committee  
2016- Autism Research Training Program Summer School Faculty  
2016-2017 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  
2011- International Society for Autism Research  
2007-2008 American Psychological Society Campus Representative  
2005-2007 Coordinator for the Indiana University Neuroimaging Group

### *Conference Reviewer:*

International Society for Autism Research  
Organization for Human Brain Mapping

## **KNOWLEDGE TRANSLATION / COMMUNITY ENGAGEMENT**

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2018 Facilitator – INSAR Student & Trainee Workshop  
Rotterdam, The Netherlands, May 9, 2018  
2017 London Public Library Seminar Series, London, ON, Canada.  
2016 Facilitator – Winter Institute Community Engagement Event  
Banff, Canada, April 1, 2016  
2016 Knowledge Mobilization and Social Media (Winter Institute Workshop)  
Banff, Canada, March 30, 2016  
2016 Let's Talk Science, University of Toronto  
2011-2013 Vanderbilt Children's Hospital Brain Blast  
2005-2008 Indiana Junior Academy of Science

## **ORGANIZED MEETINGS**

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2017, 2018 The Autism Research Training Program Summer School  
London, ON, Canada



## SYMPOSIUM

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**Stevenson, R. A.** (Moderator; 2018). Audio-visual. *International Multisensory Research Forum*, Toronto, ON, Canada.

**Stevenson, R. A.** (Moderator; 2018). Developmental Perspectives. *International Multisensory Research Forum*, Toronto, ON, Canada.

**Stevenson, R. A.** (Symposium Chair), 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.

## UNIVERSITY COMMITTEES

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2017- BrainsCAN High Quality Personnel Committee, Western University

2016- Space Committee, Department of Psychology, Western University

## SELECTED INVITED TALKS

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36. **Stevenson, R. A.** (2018). Making the most of your training experience: Perspectives from an ART Program graduate. *Autism Research Training Program Summer School*, London, ON, Canada.

35. **Stevenson, R. A.** & L. Zwaigenbaum. (2018). Landing that position. *Autism Research Training Program Summer School*, London, ON, Canada.

34. **Stevenson, R. A.** (2018). Multisensory processing in autism. *Pisa Vision Lab, University of Pisa & University of Florence*, Pisa & Florence, Italy.

33. Schulz, S. E. & **Stevenson R. A.** (2018). Relating sensory sensitivity to autistic traits in typically developing adults. *Developmental Disabilities Research Day*, London, ON, Canada.

32. Parks, K. M. A. & **Stevenson R. A.** (2018). Statistical learning and social communication: The mediating role of language. *Developmental Disabilities Research Day*, London, ON, Canada.

31. Rafat, Y & **Stevenson, R. A.** (2017). When our senses deceive us: the case of auditory-orthographic integration at the onset of acquisition in second language word learning. *Ryerson Semiotic Circle*, Toronto, ON, Canada.

30. **Stevenson, R. A.** (2017). Implications of sensory processing difficulties in autism. *The Autism Research Training Program Summer School*, London, ON, Canada.

29. **Stevenson, R. A.** (2017). Keys to successfully transition to your first faculty position. *The Autism Research Training Program Summer School*, London, ON, Canada.

28. **Stevenson, R. A.** (2017). Does the temporal binding window actually measure binding? Evidence from clinical populations. *The Eighteenth Annual International Multisensory Research Forum*, Nashville, TN, USA.

27. **Stevenson, R. A.** (2017). Sensory cascades in autism. *Developmental Disabilities Research Day*,

London, ON, Canada.

26. **Stevenson, R. A.** (2017). The role of sensory processing in ASD symptomatology. *Centre for Vision Research Seminar*, York University, Toronto, ON, Canada.

25. **Stevenson, R. A.** (2017). Do you hear what I hear? Sensory perception, socialness, and autism. *London Public Library Seminar Series*, London, ON, Canada.

24. Rafat, Y. & **Stevenson, R. A.** (2017). Auditory-orthographic integration in L2 Spanish: Orthographic-McGurk? *The Association canadienne de linguistique | Canadian Linguistic Association*. Canada.

23. **Stevenson, R. A.** (2016). The role of sensory processing in ASD symptomatology. *Developmental Disabilities Clinical and Research Rounds*, Child and Parent Research Institute, London, ON, Canada.

22. **Stevenson, R. A.** (2016). The role of sensory processing in ASD symptomatology. *Speech and Language Science Seminar – Communication Sciences and Disorders*, University of Western Ontario, London, ON, Canada.

21. **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.

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

19. **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.

18. **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.

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

16. **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.

15. **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.

14. **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.

13. **Stevenson, R. A.** (2013). Perceptual binding across sensory modalities in autism spectrum disorders. *2013 Ebbinghaus Empire Meeting*. University of Toronto, Toronto, ON, Canada.

12. **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.

11. 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.

10. **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.

9. 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.

8. 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.

7. 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.

6. 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.

5. **Stevenson, R. A.** (2012). Multisensory temporal integration in typical and autistic populations. *Centre for Vision Research Seminar Series*, York University, Toronto, Canada.

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

3. 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.

2. 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.

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

## **SELECTED CONFERENCE PRESENTATIONS**

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### **2018**

92. Khan N. A., Lavoie, S. M., **Stevenson, R. A.**, Barense, M. D., Wallace M. T., Bebko, J. M., & Stevens, W. D. (2018). Atypical multisensory temporal integration in posterior superior temporal cortex may underlie language, social, and perceptual deficits in autism spectrum disorders. *Cognitive Neuroscience Society's 2018 Annual Meeting*. Boston, MA, USA.

91. Segers, M., Bebko, J. M., Ncube, B. L., & **Stevenson, R. A.** (2018). Pupillary responses to manipulations of stimuli type and synchrony in children with autism spectrum disorder. *The Eighteenth Annual Meeting of the International Society for Autism Research*, Rotterdam, The Netherlands.

90. Lauzon, S. A., Schulz, S. E., Cohen, Z. I., & **Stevenson, R. A.** (2018). Multisensory integration and autistic traits. *The Eighteenth Annual Meeting of the International Society for Autism Research*, Rotterdam, The Netherlands.

89. Parks, K. M., Griffith, L., Noonan, N. B., & **Stevenson, R. A.** (2018). Statistical learning and autism-related social communication difficulties. *The Eighteenth Annual Meeting of the International Society for Autism Research*, Rotterdam, The Netherlands.

88. Shafai, F., Barense, M. D., Ferber, S., & **Stevenson, R. A.** (2018). Atypical conjunctive visual processing in ASD: domain general or face specific. *The Eighteenth Annual Meeting of the International Society for Autism Research*, Rotterdam, The Netherlands.

*\*Winner of the IMFAR Travel Award*

87. Schulz & **Stevenson, R. A.** (2018). Relating sensory hypersensitivity and autistic traits in typically-developed adults. *The Eighteenth Annual Meeting of the International Society for Autism Research*, Rotterdam, The Netherlands.

86. Bebko, J. M., Segers, M., Mittler, M., Ferland, M., Porthukaran, A., & **Stevenson, R. A.** (2018). Differences in engagement with music and social information in asd as measured by pupil dilation responses. *The Eighteenth Annual Meeting of the International Society for Autism Research*, Rotterdam, The Netherlands.

85. Lauzon, S. A., Shultz, S. E., Cohen, Z. I., & **Stevenson, R. A.** (2018). Multisensory Integration and Autistic Traits. *Developmental Disabilities Research Day*, London, ON, Canada.

84. Segers, M., Bebko, J. M., Ncube, B. L., & **Stevenson, R. A.** (2018). Pupillary responses to manipulations of stimuli type and synchrony in children with autism spectrum disorder. *Developmental Disabilities Research Day*, London, ON, Canada.

83. Parks, K. M. A., Griffith, L. A., Sehl, C. G., Dalal, T., & **Stevenson, R. A.** (2018). The Impact of Statistical Learning and on Autism-Related Language and Social Communication Difficulties. *The 47<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

82. Shafai, F., Barense, M. D., Ferber, S., & **Stevenson, R. A.** (2018). Face processing in ASD: Altered visual conjunctive processing across domains or specific to face perception? *The 47<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

81. Lauzon, S. A., Cohen, Z. I., Shultz, S. E., & **Stevenson, R. A.** (2018). Multisensory Integration and Autistic Traits. *The 47<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

80. \*Jasim, S., Shultz, S. E. & **Stevenson, R. A.** (2018). Auditory and Visual Discrimination Tasks Relate to Autistic Traits. *The 47<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

*\*Winner of the best poster award*

79. Shultz, S. E. & **Stevenson, R. A.** (2018). Comparing Measures of Sensitivity in Relation to Autistic Traits. *The 47<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

## **2017**

78. **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.
77. 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.
76. 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.
75. **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.
74. 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.
73. Toulmin, J. K., **Stevenson, R. A.**, Youm, A., Schultz, S. E., Barense, M. D., & Ferber, S. (2017). Attention to detail predicts adaptation to statistics of the sensory environment. *Cognitive Neuroscience Society's 2017 Annual Meeting*. San Diego, CA, USA.
72. 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.
71. Sadler, T., Shultz, S. E., Besney, R., Morden, E., & **Stevenson, R. A.** (2017). Auditory and visual sensory thresholds as a predictive measure of autism-related social difficulties. *The 46<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
70. Morden, E., Besney, R., Shultz, S. E., Sadler, T., & **Stevenson, R. A.** (2017). The impact of synchrony perception on audiovisual integration. *The 46<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
69. Shultz, S. E., Sadler, T., Besney, R., Morden, E., & **Stevenson, R. A.** (2017). Sensory sensitivities and repetitive motor movements in autism compared to typical development. *The 46<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
68. Besney, R., Toulmin, J. K., Morden, E., Shultz, S. E., Sadler, T., Ferber, S. & **Stevenson, R. A.** (2017). Audiovisual statistical learning and autistic traits. *The 46<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
67. Lee, J. J., Toulmin, J. K., Borges, R., **Stevenson, R. A.**, Ferber, S. (2017). To bind or not to bind: Autistic traits and statistical learning. *Victoria College Research Day*, Toronto, ON, Canada.
66. Varona, D. Ruiz-Pena, E., Sierra, E. D., **Stevenson, R. A.**, & Rafat, Y. (2017). Second dialect vs. second language imitation: Which one is easier? *The 20th Bilingual Workshop in Theoretical Linguistics*, Toronto, ON, Canada.
65. Rafat, Y. & **Stevenson, R. A.** (2017) Auditory-orthographic interaction: Perceptual illusion in English-speaking learners of Spanish? *The European Second Language Association's 2017 Annual Meeting*. Reading, UK.

64. Aziz, J., Machado, V., **Stevenson, R. A.**, Rafat, Y. & Rao, R. Investigating cross-linguistic and parental influence in heritage intonation: evidence from Porteno-English bilinguals. *The Bilingual Workshop on Theoretical Linguistics*. University of Toronto.
63. Rafat, Y. & **Stevenson, R. A.** (2017). Auditory-orthographic interaction: Perceptual illusion in English-speaking learners of Spanish? *European Second Language Acquisition*. Reading, England.
62. Rafat, Y. & Stevenson, R. Orthographic McGurk in native English-speaking learners of Spanish? *International Symposium on Monolingual and Bilingual Speech*. Crete, Greece.

## **2016**

61. **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.
60. 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.
59. 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.
58. 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.
57. 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.
56. 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.
55. 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.
54. 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.
53. 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.
52. 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.

## **2015**

51. **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*

50. 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.

49. **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.

48. 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.

47. 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.

46. 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.

45. 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.

44. 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.

43. **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.

42. 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.

41. 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.

## **2014**

40. **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*

39. 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.

## **2013**

38. **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.

37. 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.

36. 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.

35. **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.

34. **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.

33. **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.

32. 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.

## **2012**

31. 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.

30. 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.

29. **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.

28. 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.

27. **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.

26. 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.

25. 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

24. 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

23. 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.

## **2011**

22. **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.

21. 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.

20. 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.

19. 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.

18. **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.

17. **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.

16. **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.

15. **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.

14. **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.

### **2010 and prior**

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

*\*Poster selected by the Faculty of 1000*

12. **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.

11. **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.

10. 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.

9. **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*

8. 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.

7. 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.

6. **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.

5. 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.

4. **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.

3. 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 48th Annual Meeting of the Society for Psychophysiological Research*. Austin, TX, USA.

2. **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.

1. **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*

A handwritten signature in black ink, appearing to be 'R. A. Stevenson', written in a cursive style.

**October 15th, 2018**