

CURRICULUM VITAE

Ryan A. Stevenson

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EDUCATION

- 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

- 2017- **University of Western Ontario, London, ON, Canada**
Department of Psychiatry, Schulich School of Medicine and Dentistry
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

Total Funding to Date (Grants and Awards, direct contributions only)		\$4,679,968
2019-2020	BrainsCAN Accelerator - Stimulus <i>Developing and validating tools to assess higher level cognition in children and adolescents</i> Role: Co-investigator PI: Bobby Stojanoski	\$98,255 CAD
2018-2023	Canadian Foundation for Innovation – John R. Evans Leaders Foundation Neurocognitive development of sensory processing in autism Role: PI	\$501,933 CAD
2018-2023	National Institutes of Health - R01 Multisensory Development: New Measures and a Collaborative Database Role: Site PI PI: Lorraine Bahrack	Direct: \$2,551,508 USD Indirect: \$1,123,858 USD
2018-2023	Early Researcher Award <i>Sensory disturbances in Autism and their cascading influence on behaviour and neural processing</i> Role: Principal Investigator	\$140,000 CAD

2018-2019	Simons Foundation – Explorer Grant <i>Sensory processing in ASD – a multi-level approach</i> Role: Co-investigator PI: Susanne Schmid	\$80,000 USD
2018-2019	Kids Brain Health Network - Team Development Grant <i>Intelligent solutions for atypical auditory processing in children with neurodevelopmental disorders</i> Role: Co-investigator PI: Elina Birmingham, Siamak Arzanpour	\$99,165 CAD
2018-2019	BrainsCAN Accelerator - Stimulus <i>Establishing a translational platform for studying sensory processing in neurodevelopmental disorders</i> Role: Co-investigator PI: Susanne Schmid	\$66,500 CAD
2018-2019	SSHRC Internal Travel Grant <i>Sensory processing in autism spectrum disorder</i> Role: Principal Investigator	\$7,000 CAD
2018-2019	SSHRC Internal Research Grant <i>Statistical learning in autism</i> Role: Principal Investigator	\$7,000 CAD (declined)
2017-2018	BrainsCAN Accelerator - Stimulus <i>Neurocognitive, Genetic and Environmental Risk Factors of Learning Disorders in Children</i> Role: Co-investigator PI: Marc Joanisse	\$97,209 CAD
2017-2022	Social Sciences and Humanities Research Counsel Insight Grant <i>Social competency and repetitive behaviours in autism: The role of impaired sensory processing</i> Role: Principal Investigator	\$308,927 CAD
2017-2022	Natural Sciences and Engineering Research Counsel Discovery Grant <i>The neurodevelopment of multisensory integration</i> Role: Principal Investigator	\$150,000 CAD
2017-2018	Western Social Sciences and Humanities Research Counsel Seed Grant <i>Social competency and repetitive behaviours in autism: The role of impaired sensory processing</i> Role: Principal Investigator	\$24,987 CAD

2017-2018	Western Natural Sciences and Engineering Seed Grant <i>The neurodevelopment of multisensory integration</i> Role: Principal Investigator	\$21,000 CAD
2017-2018	Faculty Research Development Fund Travel Grant	\$1,500 CAD
2017-2017	Western University Department of Psychiatry <i>Autism Research Training Program Summer School</i> Role: Conference Organizer	\$20,000 CAD
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	Autism Research Training Program Award (CIHR) <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	Banting Postdoctoral Fellowship (NSERC) <i>It's only a matter of time: Neural networks underlying multisensory perceptual binding</i> Role: Principle Investigator	\$140,000 CAD
2014-2016	Autism Speaks Meixner Postdoctoral Fellowship in Translational Research Role: Principle Investigator (declined)	\$117,800 USD (declined)
2013-2014	Vanderbilt Institute for Clinical and Translational Research, VR5807.1 <i>Development and modulation of multisensory integration</i> Role: Principle Investigator	\$17,375 USD
2012-2013	Vanderbilt Institute for Clinical and Translational Research, VR5807.1 <i>Effects of age and scopolamine on multi-sensory integration and learning</i> Role: Co-investigator	\$27,821 USD
2011-2014	NIH Ruth R. Kirschstein Postdoctoral Fellowship, NIDCD 1F32 DC011993 <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)

- 2018, 2019 Dean's Excellence Award, University of Western Ontario
- 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

73 Publications (31 First Author, 17 Senior/Last Author)

3513 Citations according to Google Scholar (April 29th, 2020)

H-index: 30

i10-index: 47

* indicates trainee

In Prep

*Shafai, F., *Stow, M., *Schulz, S., *Abrahms, A., ... & **Stevenson R. A.** (In Prep). Emotion processing in autism: categorization, subjective salience, and pupillometry across basic emotions.

*Lauzon, S., *Curcin, K., *Abrahms, A., & **Stevenson R. A.** (In Prep). Multisensory associative learning drives increases in efficiency of multisensory integration.

Under Review

*Brierly, N., *McDonnell, C. G., & **Stevenson, R. A.** (Under Review). Factor structure of repetitive behaviours across autism and attention-deficit/hyperactivity disorder.

*Parks., K., *Schulz, S., *McDonnell, C. G., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Liu, X., & **Stevenson, R. A.** (Under Review). Sensory processing in autism and ADHD: A confirmatory factor analysis. *Journal of Clinical Child and Adolescent Psychology*.

*McDonnell, C. G., Hayden, E. P., Penner, M., *Curcin, K., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Liu, X., & **Stevenson, R. A.** (Under Review). Child and family predictors of timeliness of autism identification over time: Implications for diagnosis among girls.

*McDonnell, C. G., Kotelnikova, Y., **Stevenson, R. A.**, & Hayden, E. P. (Under Review). Factor structure of the Measure of Parental Style: Implications for assessment of abuse.

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

*Parks. K. P., Oram-Cardy, J., Woynaroski, T., & **Stevenson, R. A.** (Under Review). Investigating the role of inattention and hyperactivity-impulsivity in language and social functioning in ADHD using a dimensional approach. *Nature: Scientific Reports*.

Alkhubidi, A., Walker, M., Hakooz, Y, **Stevenson, R. A.**, & Rafat, Y. (Under Review). The production of marked Arabic geminates by heritage speakers living in Canada. Eds. Babastoli, E., & Ball, M. J. *An Anthology of Biligual Phology*. Bristol: Multilingual Matters.

Varona, D., Cordero, Ruiz-Pena, E., Dario Sierra, E., **Stevenson, R. A.** & Rafat, Y. (Under 2nd Review). The effect of salience on the imitation of Italian and Cuban Spanish geminates by Colombian Spanish speakers. *Monolingual and Bilingual Speech*.

Aldossari, A., **Stevenson, R. A.**, & Rafat, Y. (Under Review). The role of orthographic depth in the acquisition of L2 phonology: Evidence from Japanese- and English-speaking learners of Arabic. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Aziz, J., Swiderski, N., Machado, V., Valdivia, C., Rafat, Y., **Stevenson, R. A.**, & Rao, R. (Under Review). Intonation patterns in Argentinean- and Venezuelan-Canadian heritage speakers of Spanish: Investigating parental and English influences. *Spanish as a Heritage Language*.

Under Review with Pre-print

73. *Muller, A., *Dalal, T. C., & Stevenson, R. A. (Under Review). Schizotypal traits are not related to multisensory integration or audiovisual speech perception. *Consciousness and Cognition*. Preprint available at PsyArXiv, <https://doi.org/10.31234/osf.io/9vqtf>.

72. *Parks., K., *Schulz, S., *McDonnell, C. G., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Liu, X., & **Stevenson, R. A.** (Under Review). Sensory processing in autism and ADHD: A confirmatory factor analysis. *Journal of Clinical Child and Adolescent Psychology*. Preprint available at PsyArXiv, <https://psyarxiv.com/myjbg/>.

71. Lyons, K.M., **Stevenson, R.A.**, Owen, A.M., & Stojanoski, B. (Under Review). Examining the relationship between social cognition and neural synchrony during movies in children with and without autism. *NeuroImage: Clinical*. Preprint available at BioArXiv, <https://doi.org/10.1101/2020.03.06.981415>.
70. **Stevenson, R. A.**, Sun, S., Ruppel, J., *Segers, M., Ncube, B., Barense, M. D., & Ferber, S. (Under Review). Visual working memory and sensory processing in autistic children. *Scientific Reports*. Preprint available at PsyArXiv, <https://doi.org/10.31234/osf.io/9vuer>.
69. *Muller, A., *Dalal, T. C., & **Stevenson, R. A.** (Under Review). Schizotypal Personality Traits and Multisensory Integration: An Investigation Using the McGurk Effect. *Journal of Experimental Psychology: Human Perception and Performance*. Preprint available at PsyArXiv, <https://doi.org/10.31234/osf.io/qrmuk>.
68. *Dalal, T. C., *Muller, A., & **Stevenson, R. A.** (Under Review). The Relationship Between Multisensory Temporal Processing and Schizotypal Traits. *Schizophrenia Research*. Preprint available at PsyArXiv, <https://doi.org/10.31234/osf.io/79hdz>.

2020 and In Press

67. Alkhoodi, A., **Stevenson, R. A.**, & Rafat, Y. (2020). Geminate attrition in the speech of Arabic-English bilinguals living in Canada. *Heritage Language Journal*, 17(1).
66. *Scheerer, N. E., *Shafai, F., **Stevenson, R. A.**, & Iarocci, G. (In Press). Affective prosody perception and the relation to social competence in children with and without autism spectrum disorder. *Journal of Abnormal Child Psychology*.
65. *Parks, K. P., *Griffith, L., Noonan, N., & **Stevenson, R. A.** (In Press). Statistical learning and social competency: The mediating role of language. *Journal of Communication Disorders*. <https://doi.org/10.1038/s41598-020-61047-6>
64. *McDonnell, C. G., Delucia, E., Hayden, E. P., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Liu, X., & **Stevenson, R. A.** (In Press). A comprehensive analysis of predictors of youth suicidality in autism spectrum disorder across multiple domains: Implications for prevention science. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-019-04320-6>
63. Wallace, M. T., Woynaroski, T. G., & **Stevenson, R. A.** (2020). Multisensory integration as a window into orderly and disrupted cognition. *Annual Review of Psychology*, 71, 193-219. <https://doi.org/10.1146/annurev-psych-010419-051112>
62. *Schulz, S. & **Stevenson, R. A.** (2020). Differentiating between sensory sensitivity and sensory reactivity in relation to restricted interests and repetitive behaviours. *Autism*, 24(1), 121-134. <https://doi.org/10.1177/1362361319850402>

2019

61. Rafat, Y. & **Stevenson, R. A.** (2019). Auditory-orthographic integration at the onset of L2 speech acquisition: the case of naïve English-speaking learners of Spanish. *Language and Speech* 62(3), 427-451. <https://doi.org/10.1177/0023830918777537>
60. Feldman, J., Kuang, W., Tu, A., Conrad, J., Santapuram, P., **Stevenson, R. A.**, Kwayke Dowell, L., Wallace, M., & Woynaroski, T. (2019). Differences in multisensory integration covary with differences in

sensory responsiveness in children with and without autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 49(1), 397-403. <https://doi.org/10.1007/s10803-018-3667-x>

59. *Schulz, S. & **Stevenson, R. A.** (2019). Sensory hypersensitivity predicts repetitive behaviors in autistic and typically-developing children. *Autism*, 23(4), 1028-1041. <https://doi.org/10.1177/1362361318774559>

58. **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. (2019). Conjunctive visual processing appears abnormal in autism. *Frontiers in Psychology*, 9:2668. <https://doi.org/10.3389/fpsyg.2018.02668>

2018

57. *Parks, K. P. & **Stevenson, R. A.** (2018). Auditory and visual statistical learning are not related to ADHD symptomatology: evidence from a research domain criteria (RDoC) approach. *Frontiers in Psychology*, 9:2502. <https://doi.org/10.3389/fpsyg.2018.02502>

56. Lowe, M. X., **Stevenson, R. A.**, Barense, M. D., Cant, J. S., & Ferber, S. (2018). Relating the perception of visual ensemble statistics to individual levels of autistic traits. *Attention, Perception, & Psychophysics*, 80(7), 1667-1674. <https://doi.org/10.3758/s13414-018-1580-1>

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. <https://doi.org/10.1038/s41598-018-29598-x>

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. <https://doi.org/10.1177/1362361317704413>

53. Noel, J-P., **Stevenson, R. A.**, Wallace, M. T. (2018). Atypical audiovisual temporal function in autism and schizophrenia: similar phenotype, different cause. *European Journal of Neuroscience*, 47(10), 1230-1241. <https://doi.org/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. <https://doi.org/10.1007/s10803-016-2711-y>

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. <https://doi.org/10.1037/xhp0000424>

2017

50. **Stevenson, R. A.**, *Toulmin, J. K., *Youm, A., *Besney, R., Barense, M. D., & Ferber, S. (2017). Increases in the autistic trait of attention to detail are associated with decreased multisensory temporal adaptation. *Nature: Scientific Reports*, 7(1), 14,354. <https://doi.org/10.1038/s41598-017-14632-1>

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. <https://doi.org/10.1007/s40473-017-0124-7>

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. <https://doi.org/10.1097/AUD.0000000000000435>
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. <https://doi.org/10.1002/aur.1776>
46. *Black, K. R., **Stevenson, R. A.**, M., Segers, M., Ncube, B.L., Sun, S. Z., *Philipp-Muller, A., Bebeko, 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. <https://doi.org/10.1007/s10803-017-3161-x>
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. <https://doi.org/10.1002/aur.1633>
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. <https://doi.org/10.1097/AUD.0000000000000379>
43. **Stevenson, R. A.**, Park, S., Cochran, C., McIntosh, L. G., Noel, J-P., Barense, M.D., Ferber, S., & Wallace, M. T. (2017). The associations between multisensory temporal processing and symptoms of schizophrenia. *Schizophrenia Research*, 179, 97-103. <https://doi.org/10.1016/j.schres.2016.09.035>
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. <https://doi.org/10.5007/2175-8026.2017v70n3p151>
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. <https://doi.org/10.1002/aur.1566>
39. Baum, S. H., **Stevenson, R. A.** (2016). Commentary: visual fixation in human newborns correlates with extensive white matter network and predicts long-term neurocognitive development. *Frontiers in Psychology*, 10, 215. <https://doi.org/10.3389/fnins.2016.00215>
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. <https://doi.org/10.5406/amerjpsyc.129.1.0011>
37. Krueger-Fister, J., **Stevenson, R. A.**, Nidiffer, A. R., Barnett, Z. P., & Wallace, M.T. (2016). Stimulus intensity modulates multisensory temporal processing. *Neuropsychologia*, 88, 92-100. <https://doi.org/10.1016/j.neuropsychologia.2016.02.016>

36. Nidiffer, A. R., **Stevenson, R. A.**, Krueger-Fister, J., Barnett, Z. P., & Wallace, M.T. (2016). Interactions between space and effectiveness in human multisensory performance. *Neuropsychologia*, 88, 83-91. <https://doi.org/10.1016/j.neuropsychologia.2016.01.031>

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. <https://doi.org/10.1037/xhp0000131>

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. <https://doi.org/10.1016/j.neurobiolaging.2014.08.003>

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. <https://doi.org/10.1016/j.pneurobio.2015.09.007>

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. <https://doi.org/10.3791/52677>

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. <https://doi.org/10.1007/s10548-013-0333-7>

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. <https://doi.org/10.1027/1864-1105/a000156>

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. <https://doi.org/10.1523/JNEUROSCI.3615-13.2014>

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. <https://doi.org/10.3389/fpsyg.2014.00379>

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. <https://doi.org/10.1007/s10803-013-1992-7>

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. <https://doi.org/10.1007/s10803-014-2179-6>

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. <https://doi.org/10.1016/j.neuropsychologia.2014.08.005>
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. <https://doi.org/10.1007/s10548-014-0365-7>
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. <https://doi.org/10.3389/fpsyg.2014.00352>
22. Schlesinger, J., **Stevenson, R. A.**, & Wallace, M. T. (2014). Improving pulse oximetry pitch perception with multisensory perceptual training. *Anesthesia & Analgesia*, 118(6), 1249-1253. <https://doi.org/10.1213/ANE.0000000000000222>

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. <https://doi.org/10.1007/s10803-013-1836-5>
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. <https://doi.org/10.1007/s00221-012-3387-y>
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. <https://doi.org/10.1007/s00221-013-3507-3>
18. **Stevenson, R. A.**, Schlesinger, J., & Wallace, M.T. (2013). Effects of attention and operating room noise on perception of pulse oximeter pitch changes: a laboratory study. *Anesthesiology*, 118(2): 376-381. <https://doi.org/10.1097/ALN.0b013e31827d417b>

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. <https://doi.org/10.1523/JNEUROSCI.4515-12.2012>
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. <https://doi.org/10.1037/a0027339>
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. <https://doi.org/10.1007/s00221-012-3072-1>
14. **Stevenson, R. A.**, Bushmakin, M., Kim, S., Puce, A., & James, T. W. (2012). Inverse effectiveness and multisensory interactions in visual event-related potentials with audiovisual speech. *Brain Topography*, 25 (3), 308-326. <https://doi.org/10.1007/s10548-012-0220-7>

13. Kim, S., **Stevenson, R. A.**, & James, T. W. (2012). Visuo-haptic neuronal convergence demonstrated with an inversely effective pattern of BOLD activation. *Journal of Cognitive Neuroscience*, 24 (4), 830-842 https://doi.org/10.1162/jocn_a_00176
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. <https://doi.org/10.1016/j.neuroimage.2010.12.063>
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 theories of emotion using the Indiana Sexual and Affective Word Set. *Archives of Sexual Behavior*, 40(1): 59-78. <https://doi.org/10.1007/s10508-010-9669-1>
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. <https://doi.org/10.1016/j.neuropsychologia.2011.03.004>
7. James, T. W., *VanDerKlok, R. M., **Stevenson, R. A.**, & James, K. H. (2011). Multisensory perception of action in posterior temporal and parietal cortices. *Neuropsychologia*, 49(1): 108-114. <https://doi.org/10.1016/j.neuropsychologia.2010.10.030>

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. <https://doi.org/10.1016/j.neuroimage.2009.12.001>
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. <https://doi.org/10.1007/s00221-009-1783-8>
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. <https://doi.org/10.3758/BRM.40.1.315>
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. <https://doi.org/10.3758/BRM.40.1.315>

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. <https://doi.org/10.1007/s00221-006-0770-6>

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. <https://doi.org/10.3758/BF03192999>

PRESS COVERAGE

Spectrum News – *We need precise measurements of sensory traits related to autism* – July 30, 2019

London Free Press – *Federal funding boons ‘Dream come true’ for researchers* – March 13th, 2019

CTV London – *Big Federal funding coming to London researchers* – March 12th, 2019

Western News – *Young researchers solving health, science puzzles* – March 13th, 2018

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

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

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

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

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

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

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

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

TEACHING EXPERIENCE

Classes Instructed:

2018-20	Western University	Psych 9260: Cognitive, Developmental, and Brain Sciences Proseminar (2 Semesters)
2018	Western University	Psych 4190: Special Topics in Sensory Perception: Multisensory Integration
2017-20	Western University	Psych 3800: Psychological Statistics for Computers (7 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

Postdoctoral Supervision - Primary

2019-	Nichole Sheerer, University of Western Ontario
2018-2019	Christina McDonnell, University of Western Ontario
	Co-supervisor: Elizabeth Hayden
	* 2019 Early Researcher Award – International Society for Autism Research
	* 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 (Clinical), University of Western Ontario
 * 2020 Joseph-Armond Bombardier Canada Graduate Scholarships (\$105,000)
 * 2020 Marilyn Pack McClelland Award in Psychology (\$750)
 * 2020 Graduate Research Award (\$350)
 * 2019 Ontario Graduate Scholarship Winner (\$15,000)
 * 2019 Graduate Research Award (\$500)
 * 2019 Clinical Science Presentation Award – Child Health Research Day
- 2019-2020 Kaitlyn Parks, Psychology (CDSB), University of Western Ontario
 * 2019 Doctoral Canadian Graduate Scholarship - SSHRC Winner (\$105,000)
 * 2019 Ontario Graduate Scholarship Winner (\$15,000)
 * 2019 Graduate Research Award (\$500)

Master's Supervision - Primary

- 2019- Cailey Salagovic, Psychology (CDSB), University of Western Ontario
 Co-supervisor: Dr. Blake Butler
- 2018- Anne-Marie Muller, Psychology (Clinical), University of Western Ontario
 * 2020 Graduate Research Award (\$350)
 * 2019 Master's Canadian Graduate Scholarship - CIHR Winner (\$17,500)
 * 2019 Ontario Graduate Scholarship Winner (\$15,000)
 * 2019 Graduate Research Award (\$500)
- 2018- Meara Stow, Psychology (CDSB), University of Western Ontario
 * 2020 Doctoral Canadian Graduate Scholarship - SSHRC Winner (\$90,000)
 * 2020 Graduate Research Award (\$525)
 * 2020 Masters Canadian Graduate Scholarship - SSHRC Winner (\$17,500)
 * 2019 Graduate Research Award (\$350)
 * 2019 Best poster in paediatrics – Child Health Research Day
- 2018- Kara Hannah, Psychology (CDSB), University of Western Ontario
 Co-supervisor: Dr. Ken McRae
 * 2019 Reva Gerstein Fellowship for Master Study in Psychology (\$4,000)
- 2017-2019 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)
- 2017-2020 Sebastian Lauzon, Psychology (CDSB), University of Western Ontario
 * 2019 Graduate Research Award (\$500)
- 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

Undergraduate Supervision – Primary

- 2019-2020 Caroline Luszawski, University of Western Ontario
Aberrant Sensory Processing in Relation to Autistic Traits
- 2019-2020 Caleb Ajao, University of Western Ontario
Multisensory Integration in Individuals with Schizotypal Traits
- 2019-2020 Kourosh Sedeai-Eilkhchi, University of Western Ontario
The Impact of Trait-Anxiety on Multisensory Temporal Processing and Emotion Recognition
- 2019-2020 Beatrice Arsenault-Dufour, University of Western Ontario
- 2019- Foram Patel, University of Western Ontario
- 2019- Muskaan Mann, University of Western Ontario
- 2019- Julia Hagon, University of Western Ontario
- 2019- Michelle Zhang, University of Western Ontario
- 2019- Elim Chan, University of Western Ontario
- 2019- Yekta Mahdi, University of Western Ontario
- 2019- Brooke Dzaldov, University of Western Ontario
- 2019- Jessica Kagal, University of Western Ontario
- 2019-2020 Tyla Lebo, University of Western Ontario
- 2019- Sereena Dargan, University of Western Ontario
- 2018- Arin Abraham, University of Western Ontario
The Relationship Between Multisensory Associative Learning, Multisensory Enhancement and ASD-Related Traits
- 2018-2020 Esraa Altoum, University of Western Ontario
- 2018-2019 Mark Garabedian, University of Western Ontario
- 2018-2020 Kristina Curcin, University of Western Ontario
Sensory-Based Phenotyping in Autism Spectrum Disorder
- 2018-2019 Christina Sakellis, University of Western Ontario
Cognitive Bias Toward Happiness in Subclinical Anxious Individuals
- 2018-2019 Noah Brierley, University of Western Ontario
Factor Structure of Repetitive Behaviors Across ASD and ADHD
- 2018-2019 Alexandra Hawkins, University of Western Ontario
Hypersensitivity and Autistic Traits
- 2018-2019 Elizabeth Gateman, University of Western Ontario
Pupillary responses to emotional faces in autism
- 2018-2019 Benjamin Tran, University of Western Ontario
- 2018-2019 Ammar Haque, University of Western Ontario
- 2018-2018 Lindsey Smith, University of Western Ontario

- 2017- Tse Winnie Ho, University of Western Ontario
- 2017- Tyler Dalal, The University of Western Ontario
The Relationship Between Multisensory Temporal Processing and Schizotypal Traits
 Author on publications #67 and 68
 * Awarded the 2018 NSERC Undergraduate Student Research Award
- 2017-2019 Claudia Sehl, University of Western Ontario
 * Awarded runner-up Poster Award, 2019 Lake Ontario Visionary Establishment
- 2017-2018 Lauryn Richardson, The University of Western Ontario
Sex differences across development in restricted and repetitive behaviours of Canadian children with autism spectrum disorder
 * 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
 Author on publication #65
- 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

Doctoral Supervision – Committee

- 2019- Taraheh Karami Shoar, University of Western Ontario, Program in Neuroscience
- 2019- Leah Brainin, University of Western Ontario, Psychology
- 2018 Ola Mohamed Ali, University of Western Ontario, Psychology
- 2018- Joshua Patenaude, University of Western Ontario, Psychology
- 2017-2019 Moriah Sokolowski, University of Western Ontario, Psychology
- 2017-2019 Zachary Hawes, University of Western Ontario, Psychology
- 2017-2018 Nicole Noonan, University of Western Ontario, Psychology
- 2016-2017 Elaine Kwok, University of Western Ontario, Communication Science and Disorders

Master’s Supervision – Committee

- 2019- Zhongjie (Ben) Bao, University of Western Ontario, Neuroscience
- 2019- Brent Porter, University of Western Ontario, Psychology
- 2018- Justin Hopper, University of Western Ontario, Psychology
- 2017-2019 Shannon Copton, University of Western Ontario, Neuroscience
- 2017-2019 Leah Brainin, University of Western Ontario, Psychology

Doctoral Supervision – Examiner

- 2019 Celia Goffin, University of Western Ontario, Psychology
- 2019 Laura Cabral, University of Western Ontario, Psychology
- 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

- 2020 Maggie Prenger, University of Western Ontario, Neuroscience
- 2019 Chatherine Boucher, University of Western Ontario, Neuroscience
- 2019 Mason Kadem, University of Western Ontario, Neuroscience
- 2019 Christine Moreau, University of Western Ontario, Psychology
- 2019 Leah Brainin, University of Western Ontario, Psychology
- 2019 Maryam Kadijani, University of Western Ontario, Neuroscience
- 2018 Benjamin Trachtenberg, University of Western Ontario, Neuroscience
- 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 Cindy Narinesingh, University of Toronto, Hospital for Sick Children, Psychology

Doctoral Comprehensive Exam Supervision

- 2020 Kathleen Lyons, University of Western Ontario, Psychology
- 2019 Ola Mohamed Ali, University of Western Ontario, Psychology
- 2018 Eva Berlot, University of Western Ontario, Psychology

Other Mentees

- 2018- Julia Montanegro

- Role: Clinical Psychologist
- 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

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

- 2019 United States – Israel Binational Science Foundation
- 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

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; eNeuro; Ear and Hearing; European Journal of Neuroscience; Experimental Brain Research; Frontiers in Auditory Cognitive Neuroscience; Frontiers in Psychology; Helyion; Human Brain Mapping; Infant and Child Development; International Journal of Developmental Disabilities; 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

2017-2018	International Multisensory Research Forum Local Organizing Committee
2016-2019	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

LAB KNOWLEDGE TRANSLATION / COMMUNITY ENGAGEMENT

2019-	Brain and Mind Institute's <i>Spectrum Series</i> The role of exercise and mindfulness in the self-regulation of children Guest speakers: Drs. Barbara Fenesi & Karen Bax February 24, 2020 Medication decisions in autism Guest speaker: Dr. Rob Nicholson November 26, 2019 Autism and anxiety in the classroom Guest speakers: Drs. Emma Duerden & Janice Kurita October 29, 2019 Navigating the individual educational plan Drs. Jaqueline Specht & Lisa Gardner September 24, 2019
2019	The neuroscience behind sensory processing differences in autism (F. Shafai) Brain and Mind Institute & Sensory Perception Lab. London, Ontario. March 13, 2019. Target audience: Persons on the spectrum, families, educators, and support individuals
2019	Brain development and sensory processing differences in ASD in the classroom (F. Shafai). Simcoe County District School Board. Kerry's Place. Orillia, Ontario. February 13, 2019. Target audience: Regular and special education educators
2018	The relationship between brain development, sensory processing, and behaviour (F. Shafai). Behavioural intervention specialist training workshop. Kerry's Place. Aurora, Ontario. November 26, 2018. Target audience: Behavioural intervention therapists
2018	Development of sensory processing differences in children with ASD (F. Shafai). Angus parent autism advocacy group. Kerry's Place. Angus, Ontario. April 17, 2018.

- Target audience: Parents with children on the spectrum.
- 2018-2019 Understanding sensory processing in ASD workshop series (F. Shafai)
 Target audience: Families & children on the spectrum, educators, and support workers
 Markham, Ontario – May 19, 2019
 Midland, Ontario – April 25, 2019
 Richmond Hills, Ontario – March 6, 2019
 Aurora, Ontario – January 15, 2019
 Vaughn, Ontario – November 20, 2018
 Aurora, Ontario – November 12, 2018
 Markham, Ontario – September 27, 2018
 Barrie, Ontario – September 19, 2018
 Richmond Hills, Ontario – August 15, 2018
 Aurora, Ontario – July 17, 2018
 Barrie, Ontario – April 26, 2018
 Vaughn, Ontario – April 12, 2018
 Collingwood, Ontario – February 14, 2018
- 2018 Facilitator – INSAR Student & Trainee Workshop (R. A. Stevenson)
 Rotterdam, The Netherlands, May 9, 2018
- 2017 London Public Library Seminar Series, London, ON, Canada. (R. A. Stevenson)
- 2016 Facilitator – Winter Institute Community Engagement Event (R. A. Stevenson)
 Banff, Canada, April 1, 2016
- 2016 Knowledge Mobilization and Social Media (Winter Institute Workshop; R. A. Stevenson)
 Banff, Canada, March 30, 2016
- 2016 Let’s Talk Science, University of Toronto (R. A. Stevenson)
- 2011-2013 Vanderbilt Children’s Hospital Brain Blast (R. A. Stevenson)
- 2005-2008 Indiana Junior Academy of Science (R. A. Stevenson)

ORGANIZED MEETINGS

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

SYMPOSIUM

- Wallace, M. T., Woynaroski, T., & **Stevenson, R. A.** (2020). Multisensory processing in autism spectrum disorders. Audio-visual. *International Multisensory Research Forum*, Ulm, Germany.
- 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. *3rd 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

2019-	Psychology Appointments Committee
2019-	Clinical Training Program Committee
2019-	Brain and Mind Institute Steering Committee
2019-	Brain and Mind Institute / BrainsCAN Space Committee, University of Western Ontario
2018-2020	Psychology Graduate Affairs Committee, University of Western Ontario
2018-2019	Psychology Social Committee, University of Western Ontario
2018	Clinical Psychology Search Committee, University of Western Ontario
2017	Cognitive, Developmental and Brain Sciences Search Committee
2017-2019	BrainsCAN High Quality Personnel Committee, University of Western Ontario
2016-2018	Space Committee, Department of Psychology, University of Western Ontario

SELECTED INVITED TALKS

* indicates trainee

44. Rafat, Y., Mohammed, R. H., Valdivia, C., Edwards, A., *Parks, K. M. A., Abdeljawad, B., *Altoum, E., Dezfuly, N. A., **Stevenson, R.A.** (2020). *The 12th Nordic Conference on Bilingualism*. Stockholm, Sweden.

43. *McDonnell, C.G., Hayden, E.P., Penner, M., Curcin, K., Anagnostou, E., Nicolson, R., . . . **Stevenson, R.A.** (2019). Child and Family Predictors of Timeliness of Autism Identification Over Time: Implications for Diagnosis Among Girls. *Developmental Disabilities Research Day*, London, ON, Canada.

42. *Parks, K., *Schulz, S., & **Stevenson, R. A.** (2019). Sensory Processing in ASD and ADHD: A Multi-Groups Approach. Presented at Developmental Disabilities Academic Research Day. London, ON, Canada.

41. *Schulz, S. E., & Stevenson, R. A. (2019, May). Sensory processing in similarly predicts behaviour in ASD and ADHD. *Developmental Disabilities Research Day 2019*, London, ON, Canada.

40. *McDonnell, C.G., Hayden, E.P., Penner, M., *Curcin, K., Anagnostou, E., Nicolson, R., . . . **Stevenson, R.A.** (2019). Child and Family Predictors of Timeliness of Autism Identification Over Time: Implications for Diagnosis Among Girls. *Child Health Research Day*, London, ON, Canada.

39. *Schulz, S. E., & Stevenson, R. A. (2019). Sensory processing in ASD and ADHD: A transdiagnostic mechanism. *Child Health Research Day*, London, ON, Canada.

38. **Stevenson, R. A.** (2019). Auditory rate discrimination in autism and the relationship with clinical symptomatology. *Vanderbilt University*, Nashville, TN, USA.

37. **Stevenson, R. A.** (2019). Multisensory integration in autism spectrum disorder. *Winter Conference on Neural Plasticity*, Tahiti, French Polynesia.
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. *3rd 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

2020

128. *Schulz, S. E., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Crosbie, J., Schachar, R., Liu, X., Segers, M., & **Stevenson, R. A.** (2020). Sex and Chronological Age in relation to Sensory Processing in ASD. *The Twentieth Annual Meeting of the International Society for Autism Research*, Seattle, Washington, USA.

127. *Parks, K., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Crosbie, J., Schachar, R., Liu, X., Segers, M., & **Stevenson, R. A.** (2020). Sensory Processing Behaviors Relate to Listening Comprehension and Oral Expression in ASD. *The Twentieth Annual Meeting of the International Society for Autism Research*, Seattle, Washington, USA.

126. DeLucia, E. A., *McDonnell, C. G., Anagnostou, E., Georgiades, S., Kelley, E., Liu, X., Nicolson, R., & **Stevenson, R. A.** (2020). Neurodevelopment and Quality of Life Across Diagnoses: ASD and ADHD Associated with Worse Self-Reported Quality of Life in Children. *The Twentieth Annual Meeting of the International Society for Autism Research*, Seattle, Washington, USA.

125. *Shafai, F., *Scheerer, N. E., Feldman, J. I., *Montenegro, J. T. P., *Gateman, E., *Altoum, E. Iarocci, G., Woynaroski, T., & **Stevenson, R. A.** (2020). Pupil Dilation Responses in Autism: The Impact of Emotional Category and Intensity. *The Twentieth Annual Meeting of the International Society for Autism Research*, Seattle, Washington, USA.

124. *Shafai, F., Sedaei, K., Montenegro, J. T. P., & **Stevenson, R. A.** (2020). The impact of emotional congruence on the multisensory temporal binding window. *The 49th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

123. *Dalal, T. C., *Muller, A-M., & **Stevenson, R. A.** (2020). A meta-analysis of audiovisual multisensory integration in schizophrenia. *The 49th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

122. *Muller, A-M., *Zhang, J. Y., *Ajao, C., *Dalal, T. C., & **Stevenson, R. A.** (2020). Associations between schizotypal personality traits, audiovisual speech perception, and multisensory temporal processing. *The 49th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
122. *Richardson, L. N., *Schulz, S. E., & **Stevenson, R. A.** (2020). Sex differences in restricted and repetitive behaviours in autism spectrum disorder. *The 49th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
121. *Parks, K. M. A, & **Stevenson, R. A.** (2020). Does multisensory integration enhance statistical learning?. *The 49th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
120. *Luszawski, C. A., *Schulz, S. E., Schmid, A., Phillips, R., Scott, K., Allman, B. A., Cardy, J., **Stevenson, R. A.** (2020). Aberrant sensory processing in relation to autistic traits. *The 49th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
119. Rong, M, Wang, H., Li, A. Y., **Stevenson, R. A.**, Barense, M. D. (2020). Training multisensory temporal binding improves high-fidelity object memory. *The 49th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

2019

118. *Shafai, F., *Gateman, E., *Stow, M., *Montenegro, J., *Abraham, A., & **Stevenson, R. A.** (2019). The relationship between emotion recognition ability, subjective emotional intensity, and traits associated with ASD. *Developmental Disabilities Research Day*. London, ON, Canada.
117. *Stow, M. K., *Sakellis, C., *Handy, S., *Garabedian, M., *Tse Wing, W., *Brierley, N., *Altoum, E., *Gateman, L., & **Stevenson, R. A.** (2019). Cognitive Biases and Autistic Traits: Implications for Social Cognition. *Developmental Disabilities Research Day*, London, ON, Canada.
116. *Parks, K., *Schulz, S.E, Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Crosbie, J., Schachar, R., Liu, X., Segers, M., & **Stevenson, R. A.** (2019). Sensory Processing in ASD and ADHD: A Multi-Groups Approach. *Child Health Research Day*. London, ON, Canada.
115. *Stow, M. K., *Sakellis, C., *Handy, S., *Garabedian, M., *Tse Wing, W., *Brierley, N., *Altoum, E., *Gateman, L., & **Stevenson, R. A.** (2019). Cognitive Biases and Autistic Traits: Implications for Social Cognition. *Child Health Research Day*, London, ON, Canada.
114. *Shafai, F., *Gateman, E., *Stow, M., *Montenegro, J., *Abraham, A., and **Stevenson, R. A.** (2019) The relationship between emotion recognition ability, subjective emotional intensity, and traits associated with ASD. *Child Health Research Day*. London, ON, Canada.
113. Scheerer, N. E., *Shafai, F., **Stevenson, R. A.**, & Iarocci, G. (2019). Examining how children with and without ASD extract emotion from prosody. *Northwest Cognition and Memory Conference*, Victoria, BC, Canada.
112. Lyons, K., **Stevenson, R. A.**, Owen, A., Stojanoski, R. (2019). Examining how social cognition shapes shared conscious experiences: An inter-subject correlation analysis of the developing brain. *The 23rd Annual Meeting of the Association for the Scientific Study of Consciousness*, London, ON, Canada.
111. Visse, H., Scheerer, N. E., *Shafai, F., **Stevenson, R. A.**, & Iarocci, G. (2019). Identifying Emotion from Prosody. *Northwest Social Cognitive Development Conference*, Victoria, British Columbia, Canada.

110. *Schulz, S. E., *Parks, K. M., Segers, M., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Crosbie, J., Schachar, R., Liu, X., & **Stevenson, R. A.** (2019). Sensory processing as a transdiagnostic mechanism for behavioural outcomes in ASD and ADHD. *The Nineteenth Annual Meeting of the International Society for Autism Research*, Montreal, Quebec, Canada.
109. *Parks, K. M., *Schulz, S. E., Segers, M., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Crosbie, J., Schachar, R., Liu, X., & **Stevenson, R. A.** (2019). Using sensory processing to differentiate ASD and ADHD diagnoses. *The Nineteenth Annual Meeting of the International Society for Autism Research*, Montreal, Quebec, Canada.
108. *Shafai, F., *Gateman, E., *Abraham, A., *Stow, M. K., *Schulz, S. E., *Altoum, E., *Handy, S., *Hawkins, A., *Sakellis, C., *Ho, T. W. W., & Scheerer, N. E., Iarocci, G., & **Stevenson, R. A.** (2019). The relationship between emotional recognition ability, subjective emotional intensity, and traits associated with ASD. *The Nineteenth Annual Meeting of the International Society for Autism Research*, Montreal, Quebec, Canada.
107. *McDonnell, C.M., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Liu, X., & **Stevenson, R. A.** (2019). Disparities in the identification of autism: The influence of sex, family income, and cognitive abilities. *The Nineteenth Annual Meeting of the International Society for Autism Research*, Montreal, Quebec, Canada.
106. *Stow, M. K., *Sakellis, C., *Handy, S., *Abraham, A., *Garabedian, M., *Altoum, E., *Gateman, E., *Shafai, F., *Schulz, S. E., *Ho, T. W. W., *Hawkins, A., & **Stevenson, R. A.** (2019). Attentional biases and autistic traits: Implications for social cognition. *The Nineteenth Annual Meeting of the International Society for Autism Research*, Montreal, Quebec, Canada.
106. **Stevenson, R. A.**, *Parks, K. M., *Schulz, S. E., Anagnostou, E., Nicolson, R., Kelley, E., Georgiades, S., Crosbie, J., Schachar, R., Liu, X., & Segers, M. (2019). Sensory processing in ASD and ADHD: A multi-group approach. *The Nineteenth Annual Meeting of the International Society for Autism Research*, Montreal, Quebec, Canada.
105. Scheerer, N. E., *Shafai, F., **Stevenson, R. A.**, & Iarocci, G. (2019). Examining how children with and without ASD extract emotion from prosody. *The Nineteenth Annual Meeting of the International Society for Autism Research*, Montreal, Quebec, Canada.
104. *Hawkins, A., *Schulz, S. E., *Stow, M. K., *Shafai, F., *Brierly, N. J., *Altoum, E., *Gateman, E. M., *Garabedian, M., *Abraham, A., *Ho, T. W., *Parks, K. P., & **Stevenson, R. A.** (2019). Hypersensitivity and autistic traits. *The 48th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
103. *Stow, M. K., *Sakellis, C., *Handy, S., *Abraham, A., *Garabedian, M., *Altoum, E., *Gateman, E. M., *Shafai, F., *Schulz, S. E., *Ho, T. W., *Hawkins, A., & **Stevenson, R. A.** (2019). Cognitive biases and autistic traits: Implications for social cognition. *The 48th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
102. *Brierly, N. J., *McDonnell, C., *Schultz, S. E., *Parks, K. P., *Shafai, F., *Muller, A-M., *Dalal, T., C., & **Stevenson, R. A.** (2019). How cognitive ability and gender influence repetitive behaviours in autism and ADHD. *The 48th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

101. *Dalal, T., C., *Muller, A-M., *Brierly, N. J., *Sehl,, C. G., & **Stevenson, R. A.** (2019). The relationship between multisensory integration and schizotypal personality traits. *The 48th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
100. *Gateman, E. M., *Shafai, F., *Stow, M. K., *Schulz, S. E., *Abraham, A., *Brierly, N. J., & **Stevenson, R. A.** (2019). Anxiety traits and emotion recognition: Insights from a pupillometry study. *The 48th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
99. *Sehl, C., G., *Parks., K. P., *Tran, B., *Dalal, T., C., *Schulz, S. E., & **Stevenson, R., A.** (2019). A temporal community structure approach to statistical learning. *The 48th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

2018

98. Khan N. A., Lavoie, S. M., **Stevenson, R. A.**, Barens, 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.
97. 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.
96. *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.
95. *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.
94. *Shafai, F., Barens, 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

93. *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.
92. 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.
91. *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.
90. 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.

89. *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 47th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
88. *Shafai, F., Barese, M. D., Ferber, S., & **Stevenson, R. A.** (2018). Face processing in ASD: Altered visual conjunctive processing across domains or specific to face perception? *The 47th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
87. *Lauzon, S. A., *Cohen, Z. I., *Shultz, S. E., & **Stevenson, R. A.** (2018). Multisensory Integration and Autistic Traits. *The 47th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
86. *Jasim, S., *Shultz, S. E. & **Stevenson, R. A.** (2018). Auditory and Visual Discrimination Tasks Relate to Autistic Traits. *The 47th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.

**Winner of the best poster award*

85. *Shultz, S. E. & **Stevenson, R. A.** (2018). Comparing Measures of Sensitivity in Relation to Autistic Traits. *The 47th Annual Lake Ontario Visionary Establishment Conference*. Niagara Falls, ON, Canada.
84. Aziz, J., Machado, V., Swiderski, N., Valdivia, C., Rafat, Y., **Stevenson, R. A.**, & Rao, R. (2018). Investigating the sources of nuclear intonation in Argentinian-Canadian heritage speakers of Spanish: Evidence of parental and English influences. 48th Linguistic Symposium on Romance Languages, Toronto, ON.
83. Aziz, J., Machado, V., Swiderski, N., Valdivia, N., Rafat, Y., **Stevenson, R. A.**, & Rao, R.. Intonation patterns in Argentinian-Canadian heritage speakers of Porteño Spanish: Investigating parental and English influences. 9th International Workshop on Spanish Sociolinguistics, Queens, NY.
82. Aziz, J., Machado, V., Valdivia, C., Swiderski, N., Rafat, Y., **Stevenson, R. A.**, & Rao, R. Sources of variation in the intonation of yes/no questions in heritage speakers of Spanish in Canada. 5th National Symposium on Spanish as a Heritage Language, Iowa City, IA.
81. Swiderski, N., Valdivia, C., Aziz, J., Machado, V., Rafat, Y., **Stevenson, R. A.**, & Rao, R. Intonation patterns in yes-no questions in Venezuelan- and Argentinian-Canadian heritage speakers of Spanish: Parental and English influences. Western Interdisciplinary Student Symposium on Language Research, London, ON.
80. Aziz, J., Machado, V., Swiderski, N., Rafat, Y., **Stevenson, R. A.**, & Rao, R. Intonation patterns in Argentinian- and Venezuelan-Canadian heritage speakers of Spanish: Investigating parental and English influences. The Intonation Workshop. University of Toronto.
79. Aziz, J., Machado, V., Valdivia, C., Swiderski, N., Rafat, Y., **Stevenson, R. A.**, & Rao, R. The 44th annual meeting of the Berkeley Linguistics Society. University of California, Berkeley, San Francisco, California.

2017

78. **Stevenson, R. A.**, *Toulmin, J. K., *Youm, A., *Shultz, S. E., Barese, 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 Fransisco, 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 Fransisco, 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.**, Berense, 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 46th 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 46th 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 46th 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 46th 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, T. G., Foss-Feig, J. H., 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 Sciences Society.* Naples, FL, USA.

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*