

Stephen C. Van Hedger

Huron University College
Department of Psychology
London, ON Canada

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PROFESSIONAL EXPERIENCE

Assistant Professor, Huron University College Department of Psychology	2020 -
Member, Western Institute for Neuroscience University of Western Ontario	2022 -
Postdoctoral Fellow, University of Western Ontario Brain and Mind Institute Department of Psychology <i>Advisors: Ingrid Johnsrude, Laura Batterink</i>	2018 - 2020
Postdoctoral Scholar, University of Chicago Chicago Center for Practical Wisdom Department of Psychology <i>Advisors: Howard Nusbaum, Marc Berman</i>	2015 - 2018

EDUCATION

Ph.D., Psychology, University of Chicago <i>Advisor: Howard Nusbaum</i>	2015
A.M., Psychology, University of Chicago <i>Advisor: Howard Nusbaum</i>	2012
A.B., Music, University of Chicago General and Departmental Honors Phi Beta Kappa Honor Society	2009

FELLOWSHIPS, GRANTS, AND AWARDS

Huron Technology Support Fund Project Title: Developing a "Citizen Science" Website for Perfect Pitch \$2312 CAD	2022 -
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CIHR Project Grant	2022 -
Project Title: The cognitive neuroscience of listening effort Co-Investigator (PIs: Dr. Bjorn Herrmann, Dr. Ingrid Johnsrude, Dr. Susan Scollie) \$742,050 CAD	
BrainsCAN Registered Report Fund	2021-2022
University of Western Ontario Project Title: Characterizing Listening Effort in the Understanding of Noisy Speech \$7,400 CAD	
SSHRC Explore Grant	2020 – 2021
University of Western Ontario Project Title: Auditory category learning, memory, and generalization (co-PI: Ingrid Johnsrude) \$7,000 CAD	
Targeted Research Fund	2020 – 2021
Huron University College Project Title: “Engagement with Nature and Well-Being in the Age of COVID-19” \$4,100 CAD	
BrainsCAN Tier I Postdoctoral Fellowship Award	2018 - 2020
University of Western Ontario \$70,000 CAD/year	
Western Cognitive Neuroscience Postdoctoral Fund	2018 - 2020
Brain and Mind Institute University of Western Ontario \$50,000 CAD/year	
John Dewey Prize Lectureship	2015
Department of Psychology University of Chicago	
Division of Social Sciences Research Grant	2014 - 2015
University of Chicago Project Title: Neural correlates of absolute pitch categorization \$11,800 USD	
Starkey Duncan Award for Excellence in Undergraduate Teaching	2014
Department of Psychology University of Chicago	
Norman H. Anderson Research Fellow	2011 - 2015
Department of Psychology University of Chicago	

Arts-Science Graduate Collaboration Grant

2010 - 2011

University of Chicago

Project Title: The role of vibrotactile feedback in music performance

\$1,500 USD

Fulbright Program Finalist

2009 - 2010

United States Department of State

PUBLICATIONS

As of October 2022:

Citations: 449

h-index: 13

i10-index: 17

Peer-Reviewed Articles

- [1] Alexander, E., **Van Hedger, S.C.**, & Batterink, L.J. (In Press). Learning words without trying: Daily second language podcasts support word-form learning in adults. *Psychonomic Bulletin & Review*. <https://doi.org/10.3758/s13423-022-02190-1>
- [2] Schertz, K.E., Bowman, J.E., Kotabe, H.P., Layden, E.A., Zhen, J., Lakhtakia, T., Lyu, M., Paraschos, O.A., **Van Hedger, S.C.**, Rim, N.K., Vohs, K.D., & Berman, M.G. (2022). Environmental influences on affect and cognition: A study of natural and commercial semi-public spaces. *Journal of Environmental Psychology*, 101852, <https://doi.org/10.1016/j.jenvp.2022.101852>
- [3] Brancato, G., Van Hedger, K., Berman, M.G., & **Van Hedger, S.C.** (2022). Simulated nature walks improve psychological well-being along a natural to urban continuum. *Journal of Environmental Psychology*, 101779, <https://doi.org/10.1016/j.jenvp.2022.101779>
- [4] Dumas, T.M., Ellis, W.E., **Van Hedger, S.C.**, Litt, D.M., & MacDonald, M. (2022). Lockdown, bottoms up? Changes in adolescent substance use across the COVID-19 pandemic. *Addictive Behaviours*, 131, 107326. <https://doi.org/10.1016/j.addbeh.2022.107326>
- [5] Heald, S.L.M., **Van Hedger, S.C.**, Veillette, J., Reis, K., Snyder, J.S., & Nusbaum, H.C. (2022). Going beyond rote auditory learning: Neural patterns of generalized auditory learning. *Journal of Cognitive Neuroscience*, 34, https://doi.org/10.1162/jocn_a_01805
- [6] **Van Hedger, S.C.**, Johnsrude, I.S., & Batterink, L.J. (2022). Musical instrument familiarity affects statistical learning of tone sequences. *Cognition*, 218, 104949. <https://doi.org/10.1016/j.cognition.2021.104949>
- [7] Reis, K.S., Heald, S.L.M., Veillette, J.P., **Van Hedger, S.C.**, & Nusbaum, H.C. (2021). Individual differences in human frequency-following response predict pitch labeling ability. *Scientific Reports*, 11, 14290, <https://doi.org/10.1038/s41598-021-93312-7>
- [8] **Van Hedger, S.C.**, Veillette, J.P., Heald, S.L.M., & Nusbaum, H.C. (2020). Revisiting continuous versus discrete models of human behavior: The case of absolute pitch. *PLOS*

One, 10.1371/journal.pone.0244308

- [9] Uddin, S., Reis, K., **Van Hedger, S.C.**, Heald, S.L.M., & Nusbaum, H.C. (2020). Cortical mechanisms of talker normalization in fluent sentences. *Brain & Language*, 201, 104722.
- [10] **Van Hedger, S.C.**, Heald, S.L.M., & Nusbaum, H.C. (2019). Absolute pitch can be learned by some adults. *PLOS One*, 10.1371/journal.pone.0223047
- [11] Zhen, A., **Van Hedger, S.C.**, Heald, S.L.M., Goldin-Meadow, S., & Tian, X. (2019). Manual directional gestures facilitate cross-modal perceptual learning. *Cognition*, 187, 178-187.
- [12] **Van Hedger, S.C.**, Nusbaum, H.C., Clohisy, L., Jaeggi, S.M., Buschkuhl, M., & Berman, M.G. (2019). Of cricket chirps and car horns: The effect of nature sounds on cognitive performance. *Psychonomic Bulletin & Review*, 26, 522-530.
- [13] **Van Hedger, S.C.**, Nusbaum, H.C., Heald, S.L.M., Huang, A., Kotabe, H., & Berman, M.G. (2019). The aesthetic preference for nature sounds depends on sound object recognition. *Cognitive Science*, 43, e12734.
- [14] Stenfors, C., **Van Hedger, S.C.** ... Berman, M.G. (2019). Positive effects of nature on cognitive performance across multiple experiments: Test order but not affect modulates the cognitive effects. *Frontiers in Psychology*, 10:1413.
- [15] **Van Hedger, S.C.**, & Nusbaum, H.C. (2018). Individual differences in absolute pitch performance: Contributions of working memory, musical expertise, and tonal language background. *Acta Psychologica*, 191, 251-260.
- [16] **Van Hedger, S.C.**, Heald, S.L.M., Uddin, S., & Nusbaum, H.C. (2018). A note by any other name: Intonation context rapidly influences absolute note judgments. *Journal of Experimental Psychology: Human Perception & Performance*, 44, 1268-1282.
- [17] Uddin, S., Heald, S.L.M., **Van Hedger, S.C.**, & Nusbaum, H.C. (2018). Hearing sounds as words: Neural responses to environmental sounds in the context of fluent speech. *Brain & Language*, 179, 51-61.
- [18] Nusbaum, H.C., Uddin, S., **Van Hedger, S.C.**, & Heald, S.L.M. (2018). Consolidating skill learning through sleep. *Current Opinion in Behavioral Sciences*, 20, 174-182.
- [19] Uddin, S., Heald, S.L.M., **Van Hedger, S.C.**, Klos, S., & Nusbaum, H.C. (2018). Understanding environmental sounds in sentence context. *Cognition*, 172, 134-143.
- [20] **Van Hedger, S.C.**, Heald, S.L.M., & Nusbaum, H.C. (2018). Long-term pitch memory for music recordings is related to auditory working memory precision. *The Quarterly Journal of Experimental Psychology*, 71, 879-891.
- [21] **Van Hedger, S.C.**, Heald, S.L.M., Huang, A., Rutstein, B., & Nusbaum, H.C. (2017). Telling in-tune from out-of-tune: Widespread evidence for implicit absolute intonation.

Psychonomic Bulletin & Review, 24, 481-488.

- [22] Heald, S.L.M.*, **Van Hedger, S.C.***, & Nusbaum, H.C. (2017). Perceptual plasticity for auditory object recognition. *Frontiers in Psychology*, 10.3389/fpsyg.2017.00781
- [23] **Van Hedger, S.C.**, Heald, S.L.M., & Nusbaum, H.C. (2016). What the [bleep]? Enhanced absolute pitch memory for a 1000 Hz sine tone. *Cognition*, 154, 139-150.
- [24] **Van Hedger, S.C.**, Heald, S.L.M., & Nusbaum, H.C. (2015). The effects of acoustic variability on absolute pitch categorization: Evidence of contextual tuning. *Journal of the Acoustical Society of America*, 138, 436-446.
- [25] **Van Hedger, S.C.**, Heald, S.L.M., Koch, R., & Nusbaum, H.C. (2015). Auditory working memory predicts individual differences in absolute pitch learning. *Cognition*, 140, 95-110.
- [26] **Van Hedger, S.C.**, Palmer, C., Hogstrom, A., & Nusbaum, H.C. (2015). Sleep consolidation of musical competence. *Music Perception: An Interdisciplinary Journal*, 33, 163-178.
- [27] Heald, S.L.M., **Van Hedger, S.C.**, & Nusbaum, H.C. (2014). Auditory category knowledge in experts and novices. *Frontiers in Neuroscience*, 8:260. 10.3389/fnins.2014.00260
- [28] **Hedger, S.C.**, Nusbaum, H.C., Lescop, O., Wallisch, P., & Hoeckner, B. (2013). Music can elicit a visual motion aftereffect. *Attention, Perception, & Psychophysics*, 75, 1039-1047.
- [29] **Hedger, S.C.**, Heald, S.L.M., & Nusbaum, H.C. (2013). Absolute pitch may not be so absolute. *Psychological Science*, 24, 1496-1502.
- [30] **Hedger, S. C.**, Nusbaum, H.C., & Hoeckner, B. (2013). Conveying movement in music and prosody. *PLOS One*, 10.1371/journal.pone.0076744

Preprints

- [1] Bongiovanni, N., Heald, S.L.M., Nusbaum, H.C., & **Van Hedger, S.C.** (2022). Generalizing across tonal context, timbre, and octave in rapid absolute pitch training. *PsyArXiv*, <https://doi.org/10.31234/osf.io/xf5u>
- [2] **Van Hedger, S.C.**, Winspear, M., & Batterink, L.J. (2021). Talker variability facilitates the statistical learning of speech sounds. *PsyArXiv*, <https://doi.org/10.31234/osf.io/t8eyh>
- [3] **Van Hedger, S.C.**, & Khudhair, H. (2021). Does tuning influence aesthetic judgments of music? Investigating the generalizability of absolute intonation ability. *PsyArXiv*, <https://doi.org/10.31234/osf.io/svgx5>

Book Chapters and Encyclopedia Entries

- [1] **Van Hedger, S.C., & Johnsrude, I.S.** (2022). Speech perception under adverse listening conditions. In A. Popper, A. Coffin (Eds.), *Springer Handbook of Auditory Research*. Springer, Cham. https://doi.org/10.1007/978-3-030-81542-4_6
- [2] **Van Hedger, S.C., & Nusbaum, H.C.** (2018). Absolute pitch. In: J. Vonk, T. K. Shackelford (Eds.), *Encyclopedia of Animal Cognition and Behavior*. Springer, Cham.
- [3] Heald, S.L.M., **Van Hedger, S.C., & Nusbaum, H.C.** (2017). Understanding sound: Auditory skill acquisition. *Psychology of Learning and Motivation*, 67, 53-93.

CLASSROOM TEACHING EXPERIENCE

Instructor of Record

University of Chicago

SOSC 14100 – Mind I (2013) | SOSC 14200 – Mind II (2014) | PSYC 24860 – The Musical Mind (2015)

Huron University College

PSYCHOL 2750E – Theories and Methods of Cognitive Neuroscience (2021) | PSYCHOL 2115A – Introduction to Sensation and Perception (2020) | PSYCHOL 1100E – Method in General Psychology (2020, 2021) | PSYCHOL 4880E – Honors Thesis (2020, 2021) | PSYCHOL 3760G – Music Cognition (2021)

Teaching Assistant

University of Chicago

SOSC 14100 – Mind I (2012) | SOSC 14200 – Mind II (2013) | SOSC 14300 – Mind III (2013) | PSYC 20700 – Sensation and Perception (2014) | PSYC 20200 – Psychological Research Methods (2014)

Guest Lecturer

PSYCHOL 4195F – Special Topics in Cognitive Psychology (*University of Western Ontario*)

Lecture Title: “Perceptual learning of absolute pitch in adulthood” (2021)

PSYCHOL 2115A – Introduction to Sensation & Perception (*University of Western Ontario*)

Lecture Title: “How does sleep influence perceptual processes?” (2019)

COMMSCI 4417A – Introduction to Hearing Science (*University of Western Ontario*)

Lecture Title: “Perceptual Organization of Music” (2018)

PSY 210 – Introduction to Psychological Science (*Elmhurst College*)

Lecture Title: “Does this Taylor Swift sound sharp? Exploring pitch memory in the general population” (2014)

MENTORSHIP EXPERIENCE

Psychology Honors Thesis Advising

2013 - present

- [1] Huda Ahmed (2021-2022)
Huron University College
Title: The Influence of Sound Quality on the Restorative Benefits of Nature
- [2] Hannah Cormier (2020-2021)
Huron University College
Title: The Role of Attention in Inducing Cross-Modal Aftereffects
- [3] Giuliana Brancato (2020-2021)
Huron University College
Title: Virtual Walks through Nature and Increased Well-Being
- [4] Amish Gaur (2020-2021)
University of Western Ontario
Title: The Effects of Degraded Speech on Long-Term Memory in Individuals with Mild-Moderate Sensorineural Hearing Loss
- [5] Mykayla Winspear (2019-2020)
University of Western Ontario
Title: The Influence of Talker Variability on Statistical Learning
- [6] Mackenzie Bacon (2018-2019)
University of Western Ontario
Title: Memory for Words and Sentences: The Effect of Acoustical Degradation
- [7] Luke Clohisy (2017-2018)
University of Chicago
Title: Memory for popular music: Evidence for widespread tempo abilities and implicit pitch categories
- [8] Max Bluestone (2015- 2016)
University of Chicago
Title: The effects of semantic and temporal congruency on memory for audiovisual clips
- [9] Anders Hogstrom (2012-2013)
University of Chicago
Title: The sound of silence: Attention entrainment to isochronous and syncopated beats

Practicum Advisor, Master’s Program in Computer Science (MPCS)

2015 - 2016

University of Chicago

Advised two masters students in the design and execution of psychophysical projects
Evaluated students’ progress several times throughout the span of the projects

PRISM Graduate Student Preceptor

2012 - 2014

Department of Psychology, University of Chicago

Organized biannual “lab night” to help students find research opportunities on campus
Planned approximately 6 additional events each year to help students explore employment options

Research Consultant, Advanced Graduate Course

2009 - 2010

University of Chicago

Served as primary research consultant for graduate course in multimedia perception
 Assisted graduate students in the design, execution, and data analysis of independent research

PEER-REVIEW ACTIVITIES*73 verified reviews (98th percentile on Publons)***Ad-Hoc reviewer for:**

Cortex | Proceedings of the National Academy of Sciences | Proceedings of the Royal Society B
 | Journal of Experimental Psychology: General | Neuropsychologia | OpenMind | Cognitive
 Science | eLife | Psychonomic Bulletin and Review | Attention, Perception, & Psychophysics |
 Behavior Research Methods | Brain and Language | Social Cognitive and Affective
 Neuroscience | Journal of Neurolinguistics | PLOS One | Royal Society Open Science |
 Memory | Scientific Reports | Frontiers in Neuroscience | Music Perception | Trends in
 Hearing | Acta Psychologica | Journal of Experimental Psychology: Learning, Memory, and
 Cognition | The Journal of the Acoustical Society of America | Current Psychology | Collabra:
 Psychology | Brain Sciences | Biological Rhythm Research | Humanities & Social Sciences
 Communications | STEM Fellowship Journal | Liberated Arts

PROFESSIONAL ORGANIZATIONS

The Society for Music Perception and Cognition | The Psychonomic Society | Society for the
 Neurobiology of Language | Association for Research in Otolaryngology | The Association for
 Psychological Science | The Acoustical Society of America | The American Psychological
 Association | Sigma Xi (Full Member)

ACADEMIC SERVICE**Member-At-Large**

2021 -

The Society for Music Perception and Cognition

Fulbright Scholarship Interviewer

2012 - 2018

The College, University of Chicago

Annually review between 4-7 applications for Fulbright Scholarships
 Interview applicants and submit recommendations to the university

Workshop Coordinator (Topic: Perception and Understanding of Music)

2011 - 2012

Council on Advanced Studies, University of Chicago

Organized biweekly presentations of research given by graduate students and faculty
 Managed a budget of \$1500 for organizing outside speaker visits

Travel and Research Committee Member

2010 - 2014

Psychology Graduate Student Organization, University of Chicago

Reviewed applications for travel and research related expenses among graduate students

Allocated funds based on merit and availability

SELECTED CONFERENCE TALKS

- [1] Gaur, A., Johnsrude, I.S., & **Van Hedger, S.C.** (2021). Understanding the effects of speech degradation on long-term memory. *44th Annual Midwinter Meeting of the Association for Research in Otolaryngology* (virtual)
- [2] **Van Hedger, S.C.**, & Johnsrude, I.S. (2020). Understanding different forms of degraded speech as an auditory skill. *43rd Annual Midwinter Meeting of the Association for Research in Otolaryngology*, San Jose, CA
- [3] **Van Hedger, S.C.**, Heald, S.L.M., & Nusbaum, H.C. (2019). Robust absolute pitch memory in the general population: Evidence from popular melodies. *Society for Music Perception and Cognition Conference*. New York University, New York, NY
- [4] Heald, S.L.M., **Van Hedger, S.C.**, & Nusbaum, H.C. (2016). Working memory predicts individual differences in learning synthetic speech produced by rule. *Annual Meeting of the Psychonomic Society*, Boston, MA
- [5] **Van Hedger, S.C.**, Heald, S.L., Koch, R., Nusbaum, H.C. (2015). Auditory working memory predicts individual differences in absolute pitch learning: Evidence from short- and long-term training. *Society for Music Perception and Cognition Conference*. Vanderbilt University, Nashville, TN
- [6] **Van Hedger, S.C.**, Heald, S.L., Nusbaum, H.C. (2015). Incidental absolute pitch learning in an interactive multi-modal environment. *Acoustical Society of America 170th Meeting*. Jacksonville, FL
- [7] **Van Hedger, S.C.**, Heald, S.L., Koch, R., Nusbaum, H.C. (2014). Absolute memory for popular songs is predicted by auditory working memory ability. *Acoustical Society of America 168th Meeting*. Indianapolis, IN
- [8] **Hedger, S.C.**, Heald, S.L., Nusbaum, H.C. (2013). Absolute pitch may not be so absolute. *Society for Music Perception and Cognition Conference*. Ryerson University, Toronto, ON
- [9] **Hedger, S.C.**, Klos, S., Nusbaum, H.C. (2013). Individual differences in the short- and long-term training of musical pitch. *Midwest Music Cognition Symposium*. The Ohio State University, Columbus, OH
- [10] **Hedger, S.C.**, Hoeckner, B., Nusbaum, H.C. (2011). Music Can Convey Movement like Prosody in Speech. *Society for Music Perception and Cognition Conference*. Eastman School of Music, Rochester, NY

- [11] **Hedger, S.C.**, Heald, S.L., DeSouza, J., Hoeckner, B., Nusbaum, H.C. (2011). The Role of Vibrotactile Input in Musical Performance. *Franke Institute for the Humanities*. The University of Chicago, Chicago, IL
- [12] **Hedger, S.C.**, Hoeckner, B., Nusbaum, H.C. (2011). The Sound of Motion in Music. *Midwest Cognitive Science Meeting*. Michigan State University, East Lansing, MI
- [13] Heald, S.L., **Hedger, S.C.**, Lescop, O., Hoeckner, B., Nusbaum, H.C. (2010). Localized Context Influences the Perceptual Judgment of Musical Tones. *Annual Meeting of the Psychonomic Society*, St. Louis, MO

SELECTED POSTER PRESENTATIONS

- [1] **Van Hedger, S.C.**, & Khudhair, H. (2021). Does Tuning Influence Aesthetic Judgments of Music? Investigating the Generalizability of Absolute Intonation Ability. *Annual Meeting of the Psychonomic Society*, (virtual)
- [2] Cormier, H., Tsang, C.D., & **Van Hedger, S.C.**, (2021). Musical scales can elicit visual motion aftereffects outside of the scope of attention. *Auditory Perception, Cognition, and Action Meeting*. (virtual)
- [3] **Van Hedger, S.C.**, Johnsrude, I.S., & Batterink, L.J. (2020). Prior real-world experience influences non-linguistic statistical learning. *Annual Meeting of the Psychonomic Society*, Austin, TX (virtual)
- [4] **Van Hedger, S.C.**, Heald, S.L.M., Nusbaum, H.C., Batterink, L.J., Davis, M.H., & Johnsrude, I.S. (2019). Learning different forms of degraded speech as a cognitive skill. *Annual Meeting of the Psychonomic Society*, Montreal, QC
- [5] Heald, S.L.M., **Van Hedger, S.C.**, & Nusbaum, H.C. (2019). Interpretation of pitch patterns in spoken and sung speech. *Auditory Perception, Cognition, and Action Meeting*, Montreal, QC
- [6] Zhen, A., **Van Hedger, S.C.**, Heald, S.L.M., Goldin-Meadow, S., & Tian, X. (2019). Manual directional gestures facilitate speech learning. *Auditory Perception, Cognition, and Action Meeting*, Montreal, QC
- [7] **Van Hedger, S.C.**, Heald, S.L.M., & Nusbaum, H.C. (2019). Neural bases of note normalization in absolute pitch. *13th Annual Canadian Neuroscience Meeting*, Toronto, ON
- [8] **Van Hedger, S.C.**, & Nusbaum, H.C. (2019). Individual differences in absolute pitch performance: Contributions of working memory, musical expertise, and tonal language background. *42nd Annual Midwinter Meeting of the Association for Research in Otolaryngology*, Baltimore, MD
- [9] **Van Hedger, S.C.**, & Nusbaum, H.C. (2018). Individual differences in absolute pitch

performance: Contributions of working memory, musical expertise, and tonal language background. *Annual Meeting of the Psychonomic Society*, New Orleans, LA

- [10] Heald, S.L.M., **Van Hedger, S.C.**, & Nusbaum, H.C. (2018). Individual differences in auditory working memory is predictive of compensation response to spectral perturbation from EH to AE. *Annual Meeting of the Psychonomic Society*, New Orleans, LA
- [11] Zhen, A., **Van Hedger, S.C.**, Heald, S.L.M., Goldin-Meadow, S., & Tian, X. (2017). Manual directional gestures facilitate learning of Mandarin tones. *Society for the Neurobiology of Language Conference*, Baltimore, MD
- [12] Heald, S.L.M., Uddin, S., **Van Hedger, S.C.**, Snyder, J., & Nusbaum, H.C. (2017). Early sensory changes in neural processing gate generalized perceptual learning. *Society for the Neurobiology of Language Conference*, Baltimore, MD
- [13] **Van Hedger, S.C.**, Heald, S.L.M., Huang, A., Rutstein, B., & Nusbaum, H.C. (2016). Telling in-tune from out-of-tune: Widespread evidence for implicit absolute intonation. *Annual Meeting of the Psychonomic Society*, Boston, MA
- [14] Uddin, S., Heald, S.L.M., **Van Hedger, S.C.**, & Nusbaum, H.C. (2016). Recognizing sounds in sentence context. *Annual Meeting of the Psychonomic Society*, Boston, MA
- [15] **Van Hedger, S.C.**, Heald, S.L., Wu, S., & Nusbaum, H.C. (2015). Judging the absolute pitch of novel recordings of familiar songs. *Annual Meeting of the Psychonomic Society*, Chicago, IL
- [16] **Van Hedger, S.C.**, Heald, S.L., Nusbaum, H.C. (2015). The effects of acoustic variability on absolute pitch categorization: Evidence for contextual tuning. *Acoustical Society of America 170th Meeting*. Jacksonville, FL
- [17] Hogstrom, A., **Hedger, S.C.**, Nusbaum, H.C. (2013). The sound of silence: Attention entrainment to isochronous and syncopated beats. *Society for Music Perception and Cognition Conference*. Ryerson University, Toronto, ON
- [18] **Hedger, S.C.**, Nusbaum, H.C., Lescop, O., Wallisch, P., Hoeckner, B. (2013). Music can elicit a visual motion aftereffect: Evidence from behavior and fMRI. *Auditory Cognitive Neuroscience Society Meeting*, Tucson, AZ
- [19] Heald, S.L., **Hedger, S.C.**, Klos, S., Colson, B., Nusbaum, H.C. (2013) Spoken gesture is integrated with sentence meaning during speech comprehension. *Auditory Cognitive Neuroscience Society Meeting*, Tucson, AZ
- [20] **Hedger, S.C.**, Heald, S.L., Nusbaum, H.C. (2012). Absolute pitch may not be so absolute. *Annual Meeting of the Psychonomic Society*, Minneapolis, MN
- [21] **Hedger, S.C.**, Nusbaum, H.C., Lescop, O., Wallisch, P., Hoeckner, B. (2012). Music can elicit a visual motion aftereffect. *Association for Psychological Science Convention*, Chicago, IL

- [22] **Hedger, S.C.**, Palmer, C., Hogstrom, A., Nusbaum, H.C. (2012). The effects of sleep-dependent consolidation on motoric and abstract learning in music. *Midwest Cognitive Science Meeting*. Indiana University, Bloomington, IN

WORKSHOPS

- [1] **BrainsCAN Computational Core Methods Lunch** (*University of Western Ontario*)
Title: "An introduction to running web-based experiments using PsychoPy, jsPsych, and Pavlovia"
Co-Presenter: J. Paul Minda
- [2] **Nissl Lab Group** (*University of Western Ontario*)
Title: "Best practices in conducting auditory experiments over the web"

INVITED TALKS

- [1] **Van Hedger, S.C.** (2021, November). Memory for absolute pitch in the general population. *Eastman/Rochester/Cornell/Buffalo Music Cognition Symposium*. Eastman School of Music. Rochester, NY
- [2] **Van Hedger, S.C.** (2020, March). Perceptual understanding in a variable world: Insights from music and speech. Huron University College. London, ON
- [3] **Van Hedger, S.C.** (2020, January). What can pop songs tell us about representations of musical pitch? *Graduate Student Colloquium*. University of Western Ontario. London, ON
- [4] **Van Hedger, S.C.** (2019, April). Absolute pitch can be trained in some high-auditory working memory adults. *The 5th Learning and Plasticity (LaP) Meeting*. Äkäslompolo, Finland
- [5] **Van Hedger, S.C.** (2016, June). Pitch memory in adulthood: Individual differences, generalizations, and abstractions. *Musical Learning across the Lifespan Workshop*. University of Western Ontario. London, ON
- [6] **Van Hedger, S.C.** (2015, December). Telling sharp from flat: Pitch memory in the general population. DePauw University. Greencastle, IN
- [7] **Van Hedger, S.C.** (2015, July). Developing a framework for musical understanding. The University of Chicago. Chicago, IL