

Curriculum Vitae

Jacob A. Westerberg

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Education

- Ongoing Ph.D. Program in Psychological Science, Concentrating in Neuroscience, College of Arts and Sciences, Vanderbilt University, Nashville, Tennessee Under the Advisement of Dr. Alexander Maier and Dr. Jeffrey Schall
- 2016 B.A. in Cognitive Neuroscience, Saint Olaf College, Northfield, Minnesota

Honors and Awards

- 2016 The Ken Bonde Award, Saint Olaf College
- 2016 Psychology Department Research Grant, Saint Olaf College
- 2016 Induction into Nu Rho Psi, The Neuroscience Honor Society
- 2015 Induction into Sigma Xi, The Research Honor Society
- 2015 Faculty for Undergraduate Neuroscience Travel Award, The Grass Foundation
- 2014 Society for Neuroscience Undergraduate Travel Award, The Society for Neuroscience
- 2013 Center for Undergraduate Research and Inquiry Travel Award, Saint Olaf College
- 2013 Piper Center Internship Award, Saint Olaf College

Publications

Crisp K.M., Sutter E.N., and **Westerberg J.A.** (2015) Pencil-and-paper neural networks: an undergraduate laboratory exercise in computational neuroscience. *Journal for Undergraduate Neuroscience Education*. 2015 14(1)A13-A22

Presentations at Scholarly Conferences

Westerberg J.A., Middlebrooks P.G., and Schall J.D. (April 2016) Effect of choice difficulty on local field potentials in frontal eye field of nonhuman primates. Poster presented at the 2016 Cognitive Neuroscience Society Annual Meeting, New York, NY.

Balhorn A.R., Tyshynsky R.S., **Westerberg J.A.** and Loebach J.L. (April 2016) A comparison of free-field and headphone based sound localization using SoLoArc. Poster presented at the 2016 Cognitive Neuroscience Society Annual Meeting, New York, NY.

Westerberg J.A., Balhorn A.R., Tyshynsky R.S., and Loebach J.L. (October 2015) SoLoArc: A free-field, multisensory localization tool for scientific inquiry in undergraduate education. Poster presented at the 2015 Society for Neuroscience Annual Conference, Chicago, IL.

Westerberg J.A., Balhorn A.R., Tyshynsky R.S., and Loebach J.L. (October 2015) A comparison of free-field and headphone based sound localization using SoLoArc: A modular and portable, audiovisual, free-field localization device with high spatial resolution. Poster presented at the 2015 Society for Neuroscience Annual Conference, Chicago, IL.

Westerberg J.A., Sutter E.N., Crisp K.M. (October 2015) Pencil-and-paper neural networks: an undergraduate laboratory exercise in computational neuroscience. Poster presented at the 2015 Society for Neuroscience Annual Conference, Chicago, IL.

Westerberg J.A., Blackman R.K., Sakellaridi S., and Chafee, M.V. (November 2014). Modulation of neural synchrony in prefrontal and parietal cortex of monkeys as a function of executive processing demand in a context processing task. Poster presented at the 44th Society for Neuroscience Annual Conference, Washington, D.C.

Severson M.B., Thompson A.J., Anderson M.R., Daly S.R., **Westerberg J.A.**, and Muir G.M. (November 2014) Influence of visual cues on head direction (HD) cell firing following anesthesia. Poster presented at the 2014 Faculty for Undergraduate Neuroscience Poster Session, Washington, D.C.

Westerberg J.A., Blackman R.K., Sakellaridi S., Crowe, D.A., and Chafee, M.V. (November 2013). Analysis of LFP data in a nonhuman primate model of the cognitive deficits present in schizophrenia. Poster presented at the 2013 Faculty for Undergraduate Neuroscience Poster Session, San Diego, CA.

Teaching and Leadership Experience

Ongoing	Representative, Trainee Association Committee, Cognitive Neuroscience Society
2013-2016	Associate Editor, IMPULSE Undergraduate Neuroscience Journal
2013-2016	President, Neuroscience Club, Saint Olaf College, Northfield, Minnesota
2015	Teaching Assistant, PSYCH235: Sensation and Perception, Saint Olaf College, Northfield, Minnesota (Supervisor: Dr. Jeremy L. Loebach, Ph.D.)
2015	Teaching Assistant, NEURO239: Cellular and Molecular Neuroscience, Saint Olaf College, Northfield, Minnesota (Supervisor: Dr. Kevin M. Crisp, Ph.D.)
2015	Academic Tutor, Academic Support Center, Saint Olaf College, Northfield, Minnesota