

Curriculum Vitae

Adrian Andelin

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Education

Ph.D., Psychology, University of Washington, Seattle, Washington, June 2018

Dissertation: Anatomical and functional organization of the visual cortex, and the effect of visual deprivation in animal models.

Advisor: Jaime F. Olavarria

M.A., Psychology, Northern Arizona University, Flagstaff, Arizona, December 2011
Cumulative GPA 4.0, Graduated with Distinction

Thesis: Manipulation of hand movement observation and execution on mu suppression measured by electroencephalography.

Advisor: C. Chad Woodruff

B.A., Psychology, Northern Arizona University, Flagstaff, Arizona, May, 2009
Cumulative GPA 3.82, Magna Cum Laude

Teaching Interests

Biological Psychology, Brain Development & Connectivity, Introductory Psychology, Cognitive Psychology, Sensation and Perception, Developmental Psychology, Anatomy of the Nervous System, Principles of Psychology, Principles of Learning, Learning and Memory, Psychopharmacology, Psychophysiology, Statistics

Research Interests

Visual system, biological development, habitual behavior, influence of experience on sensory system development, histology, electroencephalography (EEG), Magnetic Resonance Imaging (MRI), Diffusion Tensor Imaging (DTI)

Awards and Honors

- UW Alcor Graduate Fellowship, May 2017
- UW Vision Training Grant, September 2015
- UW Dept. Of Psychology, Distinguished Teaching Award, May 2015
- NAU Graduate College Scholarship, Fall 2009
- Outstanding Senior Award, Spring, 2008
- Dougherty Foundation Scholarship, Fall 2006-Spring 2009

- Dubois Foundation Scholarship, Fall 2007-Fall 2011
- Wayland Educational Foundation Scholarship, Spring 2007, Summer 2008
- NAU Academic Excellence Award, Spring 2006

Teaching Experience

- Lecturer, Department of Psychology, University of Washington Seattle, WA. June 2018 – current

Courses taught:

- Biopsychology (Psych 202)
- Neurobehavioral Lab (Psych 332)
- Brain Development and Connectivity (Psych 430)
- Cognitive Psychology (Psych 355)
- Sensation and Perception (Psych 333)
- Introduction to Psychology (Psych 101)

- Lecturer, Department of Arts, Humanities & Social Sciences, Seattle Colleges Seattle, WA. January 2019 – current

Courses taught:

- Biopsychology (Psych 222)
- General Psychology (Psych 100)
- Developmental Psychology (Psych 200)

- Guest Lecturer, Department of Psychology, University of Washington Seattle, WA. Autumn 2014.

- Biopsychology (Psych 202). Topic: Auditory system. Autumn 2014.

- Teaching Assistant, Department of Psychology, University of Washington. Seattle, WA. September 2011 - June 2018.

- Developed materials for and led weekly review sections for Biopsychology (11 quarters)
- Facilitated weekly laboratory course sessions in Neurobehavioral laboratory (8 quarters)
- Lead TA for Introduction to Psychology (1 quarter)

- Teaching Assistant, Department of Psychology, Northern Arizona University. Flagstaff, AZ. August 2009 - May 2011.

- Developed materials for and led weekly discussion sections for Statistics (2 semesters)
- Developed materials to be used for Introduction to Personality course (2 semesters)

- Undergraduate Teaching Assistant, Department of Psychology, Northern Arizona University Flagstaff, AZ. August 2007 - May 2008.

- Led discussion groups and review sessions in seminar style freshman level class

Research Experience

- Doctoral Research, Department of Psychology, University of Washington. Seattle, WA. September 2011 – June 2018.
 - Primary Investigator: Jaime F. Olavarria
 - Dissertation Work: Anatomical and functional organization of the visual cortex and visual system plasticity
- Graduate Research Assistant, Department of Psychology, Northern Arizona University. Flagstaff, AZ. August 2009 – December 2011.
 - Primary Investigator: Chad Woodruff
 - Thesis Work: Mu rhythm suppression as measured through electroencephalography and its relationship with mirror neurons and measures of empathy
- Undergraduate Research Assistant, Department of Psychology, Northern Arizona University
 - Primary Investigator: Andrew Walters
 - Conducted and transcribed interviews on research investigating gender differences

Publications

- Olavarria, J.F., Laing, R.J., **Andelin, A.K.** Development, Precritical and Critical Period Plasticity of Ocular Dominance Columns in V1 of Long Evans Rats. *In review*.
- Andelin, A.K.**, Doyle, Z., Laing, R.J., Turecek, J., Lin, B., Olavarria, J.F. (2019). Influence of ocular dominance columns and patchy callosal connections on binocularity in lateral striate cortex: Long Evans versus albino rats. *Journal of Comparative Neurology*, doi: 10.1002/cne.24786.
- Andelin, A.K.**, Olavarria, J.F., Fine, I., Taber, E.N., Schwartz, D., Kroenke, C.D., Stevens, A.A. (Dec, 2018). The effect of age of onset of visual deprivation on visual cortex surface area across-species. *Cerebral Cortex*, doi: 10.1093/cercor/bhy315.
- Andelin, A.K.**, Bruning, D. Felleman, D., Olavarria, J.F. (2015). Visual interhemispheric and striate-extra-striate cortical connections in the rabbit: a multiple tracer study. *Neurology Research International*, 2015:591245. doi: 10.1155/2015/591245. Epub 2015 Sep 8.
- Demir, M., Orthel, H., **Andelin, A.K.** (2013). *Friendship and happiness*. In I. Boniwell & S. David (Eds.), *Oxford handbook of happiness*. Oxford, UK: Oxford University Press.

Presentations & Posters

Andelin, A.K. (2017). Plasticity of Ocular Dominance Columns in Monocularly Deprived Long Evans Rats. *Presentation for Psychology Behavioral Neuroscience Seminar, March 2017, Seattle, WA.*

Andelin, A.K., Kroenke, C., Fine, I., Taber, E., Olavarria, J.F. (2016). Developmental plasticity in the effect of visual deprivation on the surface area of visual cortex in animals and humans. Poster No. 2.3. *NeuroFutures 2016, Circuit Structure & Dynamics, Allen Institute, Seattle, WA, June 2016.*

Lin, B., **Andelin, A.K.,** Olavarria, J.F. (2016). Ocular Dominance Columns in Rat Primary Visual Cortex: A Quantitative Analysis of Deprivation-Induced Cortical Plasticity. Poster No. 1.3. *NeuroFutures 2016, Circuit Structure & Dynamics, Allen Institute, Seattle, WA, June 2016.*

Andelin, A.K., Kroenke, C., Taber, E., Stevens, A., Olavarria, J.F. (2015). Critical period for the effect of visual deprivation on the surface area of visual cortex in animals and humans. Program No. 754.10. *2015 Neurosci Meeting Planner, Society for Neuroscience 2015, Chicago, IL, October 2015.*

Olavarria, J.F., Laing, R.J., **Andelin, A.K.,** Turecek, J. (2012). Lack of segregated ocular dominance domains increases binocularity in striate cortex of albino rats. Program No. 568.13. *2012 Neurosci Meeting Planner, Society for Neuroscience 2012, New Orleans, LA, October 2012.*

Andelin, A.K., Bilyk, N., Shelton, S., Bragg, A., Cuellar, L., Cisneros, E., Benjamin, J., Woodruff, C.C. (2011). Dissociation of central and occipital 8-13 Hz EEG Desynchronization. *Opportunities and Challenges in Social Neuroscience 2011, Utrecht, NL, March 2011.*

Bilyk, N., **Andelin, A.K.,** Cuellar, L., Bragg, A., Shelton, K., Woodruff, C.C. (2011). Differences in execution and observation-related mu suppression predict empathic ability. *Opportunities and Challenges in Social Neuroscience 2011, Utrecht, NL, March 2011.*

Andelin, A.K., Vucurevich, K.M., Walters, A.S. (2009). Communicating potential sexual interest: Do disclosures of interest depend on interviewer gender. *American Association of Sexuality Educators, Counselors and Therapists Conference, Phoenix, AZ, May 2009.*