

# Chris Angeloni

827 S. St. Bernard St., Apt. 2  
Philadelphia, PA 19143  
(443) 915-6965  
[chris.angeloni@gmail.com](mailto:chris.angeloni@gmail.com)

## Education

---

<b>PhD Candidate</b>	Psychology, University of Pennsylvania GPA: 3.9	Aug 2014 - present
<b>B.S.</b>	Neuroscience, Lafayette College <i>Magna cum laude</i> - GPA: 3.9	May 2012
<b>B.A.</b>	Studio Art, Lafayette College <i>Magna cum laude</i> - GPA: 3.9	May 2012

## Research Experience

---

<b>Graduate Thesis: Cortical Mechanisms of Auditory Behavior</b> <i>University of Pennsylvania</i> Advisor: Dr. Maria Geffen	June 2015 - present
<b>OIST Computational Neuroscience Course</b> <i>Okinawa Institute of Science and Technology</i> Project: LIF circuit model of gain modulation.	June 2018
<b>KITP: Physics of Hearing Workshop</b> <i>Kavli Institute at UC Santa Barbara</i>	June 2017
<b>Graduate Lab Rotations</b> <i>University of Pennsylvania</i> Advisors: Dr. Russell Epstein & Dr. Michael Kahana	Aug 2014 - June 2015
<b>Research Analyst</b> <i>Vanderbilt University</i> Advisor: Dr. Frank Tong	June 2012 - June 2014
<b>Neuroscience Honors Thesis/BCI Think-Tank</b> <i>Lafayette College</i> Advisors: Dr. Lisa Gabel & Dr. Yih-Chuong Yu	May 2011 - May 2012

## Publications

---

Wood, K. C., **Angeloni, C.**, Oxman, K., Clopath, C., & Geffen, M. N. (2020). Neuronal activity in sensory cortex predicts the specificity of learning. *bioRxiv* 2020.06.02.128702.

Betzel, R.F., Wood, K.C., **Angeloni, C.**, Geffen, M.N., Bassett, D.S. (2019). Stability of spontaneous, correlated activity in mouse auditory cortex. *PLOS Computational Biology* 15 (12), e1007360.

**Angeloni C.**, Geffen M.N. (2018). Contextual modulation of sound in the auditory cortex. *Current Opinion in Neurobiology*, 49:8-15.

Lorenc, E.S., Pratte, M.S., **Angeloni, C.**, Tong, F. (2014). Expertise for upright faces improves the precision but not the capacity of visual working memory. *Attention, Perception, & Psychophysics*, 76(7):1975-84.

**Angeloni, C.**, Salter, D., Corbit, V., Lorence, T., Yu, Y-C., & Gabel, L.A. (2012). P300-based brain-computer interface memory game to improve motivation and performance. *Proc. of Ann. NEBEC*, 38:35-36.

## Professional Memberships

---

Society for Neuroscience	Jul 2013 - present
--------------------------	--------------------

Vision Sciences Society	Feb 2013 - 2015
-------------------------	-----------------

## Honors & Awards

---

<b>F31 DC016524 NRSA</b>	April 2017 - present
--------------------------	----------------------

Predoctoral Ruth L. Kirschstein National Research Service Award,  
National Institute on Deafness and Other Communication Disorders,  
“The function of cortical gain adaptation in detecting sounds in noise.”

<b>NSF GRFP Honorable Mention</b>	April 2016
-----------------------------------	------------

<b>NSF IGERT Traineeship in Complex Scene Perception</b>	Aug 2014 - 2016
--	-----------------

Training fellowship for interdisciplinary, computational research.

<b>Rappolt '67 and Oeschle '57 Neuroscience Prize</b>	April 2012
---	------------

Awarded to an undergraduate senior based on scholarship in the classroom and laboratory and service to the major.

<b>Federal SMART Grant</b>	2010 - 2012
----------------------------	-------------

Federal grant awarded to high performing students in the natural sciences.

<b>Lafayette Marquis Scholar</b>	2008 - 2012
----------------------------------	-------------

Academic scholarship awarded based on merit.

<b>Lafayette Dean's List</b>	2008 - 2012
------------------------------	-------------

Awarded for maintaining a cumulative GPA greater than 3.5.

## Teaching Experience

---

Teaching assistant for CIS140: Introduction to Cognitive Science Fall 2015

Teaching assistant for PSYC149: Cognitive Neuroscience Spring 2016

### **Mentoring:**

Stamati Lliapis – undergraduate student, University of Pennsylvania 2014 – 2017

Nitay Caspi – undergraduate student, University of Pennsylvania 2016

## Public Engagement

---

*Science After Hours: 'Don't Try This at Home', Franklin Institute* 2017  
Designed and presented demos of acoustical resonance.

*Science After Hours: 'Nerd Olympics', Franklin Institute* 2015  
Helped run an auditory illusion booth to teach young adults audition.

*Brain Blast* 2013 – 2014  
Vanderbilt Health program for teaching children about neuroscience.

*TEDxLaf* 2011 – 2012  
Promoted and organized a TED-style talk series at Lafayette College to educate and inspire the public with science and art-related talks.

*O+ Festival Participant* 2011  
Designed and installed original artwork for the O+ Festival, an event providing health care and awareness for artists.

## Skills

---

**Methods:** electrophysiology, two-photon microscopy, optogenetics, fMRI, EEG, eye tracking, probabilistic modelling, machine learning, signal analysis

**Programming:** MATLAB, Bash, Python, R, HTML/CSS, JavaScript, Arduino, OpenGL

**Software:** Kilosort2, phy, Brian2 simulator, PrairieLink, Plexon, FSL, Freesurfer, BrainVoyager, Unity, Blender, SPSS, MS Office, Adobe Suite

## References

---

Dr. Maria Geffen, Associate Professor  
Department of Neuroscience  
University of Pennsylvania  
3400 Spruce St., 5 Ravdin  
Philadelphia, PA 19104  
(215) 898-0782  
[mgeffen@pennmedicine.upenn.edu](mailto:mgeffen@pennmedicine.upenn.edu)

Dr. Yale Cohen, Professor  
Department of Otorhinolaryngology  
University of Pennsylvania School of Medicine  
3400 Spruce, 5 Ravdin  
Philadelphia, PA 19104  
(215) 898-7504  
[ycohen@pennmedicine.upenn.edu](mailto:ycohen@pennmedicine.upenn.edu)

Dr. Frank Tong, Professor  
Department of Psychology  
Vanderbilt University  
301 Wilson Hall  
Nashville, TN 37209  
(615) 322-1780  
[frank.tong@vanderbilt.edu](mailto:frank.tong@vanderbilt.edu)