**Zhewei Cao**

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**Education**

**PhD Student, Psychology,** *University of Michigan***Expected 2025**

*Cognition and Cognitive Neuroscience Area*

*Advisor: David Brang*

**B.S., Brain & Cognitive Sciences**, *University of Rochester* **May 2020**

*Honors Thesis: Visual Cortical Tracking of Categorical Speech Features in Silent Lipreading*

*Advisor: Edmund Lalor*

**Honors**

**Take Five Scholar**, *University of Rochester* 2019-2020

**Dean’s Scholarship**, *University of Rochester* 2017- 2019

**Undergraduate Presentation Award**, *University of Rochester*

*Cognitive Neuroscience Society* *Mar 2020*

*British Neuroscience Association (awarded but unused) Mar 2019*

**Interests**

*I’m interested in understanding sensory interactions & integrations during speech,*

*using psychophysics, neuroimaging(iEEG, fMRI) and computational methods.*

**Presentations** *\*:Presenting*

**Advances and Perspectives in Auditory Neuroscience (APAN),** *submitted* **Oct 2020**

***Does auditory cortex receive linguistic information from visual cortex?***

*A.R. Nidiffer\** ***, Z. Cao\*,*** *A. E. O’Sullivan, E.C. Lalor*

**Cognitive Neuroscience Society (CNS)**  **May 2020**

***Prior Exposure Enhances Cortical Entrainment to Unheard Speech During Silent Lip-reading***

***Z. Cao\*****, A. E. O’Sullivan, L. A. Szymula, A.R. Nidiffer, E.C. Lalor*

**Society for Neuroscience (SfN) Oct 2019**

***Putting on the brakes: An EEG investigation of inhibitory control and action monitoring***

***in HIV+ abstinent substance users****K-M. Wakim-Takaki\*, N. Vieyto, C. J. Molloy,* ***Z. Cao****, E. G. Freedman, J. J. Foxe*

**The British Neuroscience Association (BNA) April 2019**

***Altered VEP responses to illusory contours in children on the autism spectrum***

*E. J. Myers\*,* ***Z. Cao****, E. P. Nicholas, E. G. Freedman, J. J. Foxe*

***The Neurobiology of Inhibitory Control in HIV+ Individuals with a History of Cocaine Dependence***

*K-M. Wakim-Takaki \*, C. Molloy,* ***Z. Cao****, E. G. Freedman, J. J. Foxe*

***The Neurobiology of Error Processing in HIV+ Individuals with a History of***

***Cocaine Dependence***

*N. Vieyto\*, K-M. Wakim-Takaki,* ***Z. Cao****, E. G. Freedman, J. J. Foxe*

**Federation of European Neuroscience Societies (FENS) July 2018**

***Inhibitory control in abstinent cocaine users with and without HIV:***

***A preliminary fMRI study***

*C. J. Molloy\*, K-M. Wakim-Takaki,* ***Z. Cao****, A. K. Havens, E. G. Freedman, J. J. Foxe*

***Electrophysiological correlates of inhibitory control in abstinent cocaine users***

***with and without HIV***

*K-M. Wakim-Takaki \*, C. J. Molloy, E. Nicholas,* ***Z. Cao****, A. K. Havens, E. G. Freedman, J. J. Foxe*

**Teaching**

**University at Buffalo, SUNY Buffalo, NY**

*Teaching assistant, Psychological Statistics Spring 2017*

*Led workshops to 60~90 students twice a week where I help the graduate teaching assistant with instruction; Graded students’ exams; Held office hours and review sessions before exams.*

*Instructor:* [*Tim Pruitt, PhD*](https://arts-sciences.buffalo.edu/psychology/faculty/faculty-directory/pruitt.html)

**Professional Societies**

*Cognitive Neuroscience Society 2019 – Present*

*Int’l Multisensory Research Forum 2020 – Present*

*Society for Neuroscience 2020 – Present*

*Society for the Neurobiology of Language 2020 – Present*