

Sophia Uddin

HOME ADDRESS

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EDUCATION

2013-2021	The University of Chicago Pritzker School of Medicine, MD, June 2021 (anticipated)
2014-2018	The University of Chicago. Computational Neuroscience, PhD, May 2018
2007-2011	Swarthmore College. BA, Biology and BA, Music. Graduated Phi Beta Kappa

HONORS & AWARDS

2016	University of Chicago Biological Sciences Division Travel Award (for Society for the Neurobiology of Language Annual Meeting)
2011	Melvin B. Troy Prize in Music and Dance. Awarded to best Senior Thesis.
2010	Boyd T. Barnard Prize in Music. Awarded to one student for musical excellence and achievement.
2009, 2010	Johns Hopkins School of Public Health: Diversity Summer Internship Program
2007-2011	President's Scholarship. Awarded yearly to applicants with successful auditions to fund private music lessons.

RESEARCH EXPERIENCE

2014-2018	Graduate student, University of Chicago, Committee on Computational Neurosciences, Howard Nusbaum, PhD; "Auditory Understanding of Speech and Non-Speech" (PhD thesis) <ul style="list-style-type: none">- Studied cognitive processes and neural pathways underlying human understanding of speech and sound using EEG and behavioral methods.
2011-2013	Laboratory technician, Johns Hopkins University, Department of Pathology, Abdel Hamad, PhD, DVM. <ul style="list-style-type: none">- Investigated the role of the Fas cell death pathway in type 1 diabetes.
2009-2010	Summer intern, Johns Hopkins School of Public Health: Diversity Summer Internship Program, Department of Pathology, Abdel Hamad, PhD, DVM.

PUBLICATIONS

Peer-Reviewed Journal Articles – First Author

Uddin S, Reis KS, Heald SLM, Van Hedger SC, Nusbaum HC. Cortical mechanisms of talker normalization in fluent sentences. 2020; *Brain & Language* 201: 104722.
<https://doi.org/10.1016/j.bandl.2019.104722>

Uddin S, Heald SLM, Van Hedger SC, Nusbaum HC. Hearing sounds as words: neural responses to environmental sounds in the context of fluent speech. 2018; *Brain & Language* 179: 51-61. <https://doi.org/10.1016/j.bandl.2018.02.004>

Uddin S, Heald SLM, Van Hedger SC, Klos S, Nusbaum HC. Understanding environmental sounds in sentence context. 2018; *Cognition* 172: 134 – 143. <https://doi.org/10.1016/j.cognition.2017.12.009>

Other Peer-Reviewed Journal Articles

Server S, Uddin S, GoodSmith M, Zhang A, Sherer R, Lio J. Learning at a social distance: A medical student telehealth service for COVID-19 patients. 2020; accepted to *MedEdPublish*.

Nusbaum HC, Uddin S, Van Hedger SC, Heald SLM. Consolidating skill learning through sleep. 2018; *Current Opinion in Behavioral Sciences* 20: 174 – 182. <https://doi.org/10.1016/j.cobeha.2018.01.013>

Van Hedger SC, Heald SLM, Uddin S, Nusbaum HC. A note by any other name: Intonation context rapidly changes absolute note judgments. 2018; *JEP-HPP* 44(8): 1268-1282. <https://doi.org/10.1037/xhp0000536>

Hamad ARA, Arcara K, Uddin S, Donner T. The potential of Fas ligand (apoptosis inducing molecule) as an unconventional therapeutic target in type 1 diabetes. 2012; *Frontiers in Immunology* 3: article 196. <https://doi.org/10.3389/fimmu.2012.00196>

Xiao Z, Mohamood AS, Uddin S, Gutfreund R, Nakata C, Marshall A, Kimura H, Caturegli P, Womer KL, Huang Y, Jie C, Chakravarti S, Schneck JP, Yagita H, Hamad ARA. Inhibition of fas ligand in NOD mice unmasks a protective role for IL-10 against insulinitis development. 2011; *American Journal of Pathology* 179.2: 725-732. <https://doi.org/10.1016/j.ajpath.2011.04.016>

Poster Presentations

Uddin S, Van Hedger SC, Nusbaum HC, Fenn K. (2017). Effects of a daytime nap on perceptual learning of synthetic speech. Sleep and Circadian Research Trainees' Day; Evanston, IL.

Uddin S, Heald SLM, Nusbaum HC. (2017). ERP signatures of environmental sound processing in linguistic context.

- Society for the Neurobiology of Language Annual Meeting; Baltimore, MD.
- American Physician Scientists Assoc. Meeting; Chicago, IL.

Uddin S, Heald SLM, Van Hedger SC, Klos S, Nusbaum HC. (2016). Context effects extend to environmental sounds in sentence processing. Psychonomic Society 57th Annual Meeting; Boston, MA.

Uddin S, Hamad ARA. (2010). Fas ligand inactivation leads to pancreatic tissue-specific accumulation of IL-10-producing CD5+ B cells and IL-10-dependent protection from insulinitis in NOD mouse model. Diversity Summer Internship Program; Baltimore, MD.

TEACHING EXPERIENCE

2018 Teaching Assistant, MSTP Summer Human Body Course
University of Chicago, Pritzker School of Medicine
Course Director: Richard Madden

- Assisted with dissections and exams for upper limb, lower limb, and head & neck units

2014 and 2015

Teaching Assistant, Variable Topic Journal Club
University of Chicago MSTP
Course Director: Sally Horne-Badovinac

- Selected from class of second-year MD/PhD students to TA
- Prepared first-year PhD students for academic reading and presentations

2014

Peer Educator, Human Body Course
University of Chicago, Pritzker School of Medicine
Course Director: Callum Ross

- Assisted with dissections and exams for pelvis, thorax, and back units
- Selected to serve as a peer educator for 1st year medical students studying human anatomy based on previous performance in the course

2008-2011

Writing Associate (WA)
Swarthmore College
Program Director: Jill Gladstein

- Nominated for position by biology course instructors
- Staffed shifts as an on-call writing tutor for papers from all disciplines
- Served as a dedicated “course WA” for introductory biology courses

INSTITUTIONAL SERVICE

2020

COVID+ callbacks student co-leader

- Coordinated one of four medical student teams to monitor COVID positive outpatients with daily phone calls
- Worked with co-leaders and physician mentors to design the program
- Linked callers with resources such as primary care physicians and housing

2020

COVID support line volunteer

- Returned phone calls from community members with answers to COVID-related questions
- Linked callers with resources such as work notes, housing information, and testing

2013-2014

Committee Member, Diabetes Prevention and Management Group, Pritzker School of Medicine

- Coordinated events such as educational presentations, glucose screenings at health fairs, and farmers’ market tours focusing on healthy eating
- Led discussions with patient groups and at-risk groups around Chicago

2013-2014

Volunteer, Mission Nutrition, Pritzker School of Medicine

- Designed and presented lesson plans about nutrition and healthy eating to middle school children at South Side of Chicago schools.

2013-2014

Committee Member, Pritzker Music Group, Pritzker School of Medicine: committee member

- Played music for patients and families in Comer Children’s Hospital
- Organized salons for Pritzker students to share their musical performances

- 2013-2014 Student interviewer, Pritzker School of Medicine
- Interviewed and evaluated medical school applicants for the admissions committee in the fall 2013 application cycle

COMMUNITY SERVICE

- 2013-2018 Volunteer, 1) New Life Volunteering Society, 2) Bridgeport, and 3) Washington Park free clinics (student-run health clinics)
- 2017-present Volunteer, Greater Chicago Caged Bird Club
- Caretaking and rehabilitation for abandoned parrots
- 2018-present Volunteer, Calling Frog Survey (Chicago Academy of Sciences)
- Collected data on frog populations in Cook County by monitoring calls

HOBBIES & INTERESTS

- 2003 – 2020 Violin and viola performance, recording, and composition
- Featured on *Interior City* by The Gabriel Construct, *Finite I – III* and *Silly String Redux* by Travis Orbin, *Duplex* by Sacha Mullin, *Sides* by Baroche, and multiple singles by CHEER-ACCIDENT
 - Ensemble member for wide variety of genres (classical, Middle-Eastern/Iranian/Irish/American folk, progressive rock, progressive metal)
 - Collaborative composition *Between Entwines* (Riccio & Uddin) selected for performance by the Baltimore Composers Forum (2012)
- 2011-2013 Violinist, Mid-Atlantic Symphony Orchestra, Ocean City, MD
- 2011-2013 Freelance violin teacher, Baltimore, MD