

Edna Chiang

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EDUCATION

University of Wisconsin-Madison

Sep 2016 - Present

- PhD Candidate, Microbiology Doctoral Training Program, Department of Bacteriology GPA: 4.00/4.00
- PhD Minors: Life Sciences Communication and Biotechnology
- Advisors: Dr. Garret Suen and Dr. Hannah Carey

University of Michigan

Graduation: Apr 30, 2015

- BS with High Distinction in Microbiology (High Honors) and Spanish GPA: 3.85/4.00

NOTABLE AWARDS

- Honorable Mention – AAAS 2020 Annual Meeting Poster in “Biochemistry & Molecular Biology” Mar 2020
- NSF Non-Academic Research Internships for Graduate Students (INTERN) Supplemental Funding Jul 2019
- NSF Graduate Research Fellowship Sep 2018 – Aug 2023
- NIH Biotechnology Training Program Traineeship Jan 2017 – Aug 2019
- American Society of Microbiology Undergraduate Research Fellowship May 2014 – Dec 2014
- Beckman Scholars Fellowship May 2014 – Aug 2015

OUTREACH EXPERIENCE

Invited Speaker, Wisconsin Science Festival, Kettle Moraine Evening with Nature, Science On Tap

Minocqua

Oct 2020, Sep 2019, Jan 2019

- Presented two stories about hibernation from the perspective of a hibernating squirrel and its gut microbes
- Engaged in informal discussion with local Minocqua, WI residents about implications of hibernation research

Gaining STEAM! Scientist, JKK Comics, University of Wisconsin-Madison

Oct 2018 – Present

- Created a comic book about hibernation microbiology by integrating science, story-telling, and art through a collaboration with JKK Comics and local Madison artists
- Incorporated the comic into outreach activities to improve participant engagement and learning

Wisconsin Idea STEM Fellow, University of Wisconsin-Madison

Jun 2018 – Present

- Learned interactive teaching strategies and outreach evaluation techniques
- Designed and implemented an interactive hibernation microbiology outreach activity for elementary school-aged children

Designer and Volunteer, Science Saturday, University of Wisconsin-Madison

Sep 2017 - Present

- Co-developed and executed outreach activities with the Wisconsin Institute for Discovery and Morgridge Research Institute to teach hibernation physiology and microbe-host interactions

ONLINE COMMUNICATION EXPERIENCE

Social Media Committee, Microbiology Doctoral Training Program, University of Wisconsin-Madison

- Led a team of PhD students and the program administrator in creating a sustainable infrastructure for students to contribute to the program's social media presence *May 2020 - Present*
- Developed a Social Media Handbook and Style Guide to charge the committee with its objectives, dictate social media etiquette, evaluate social media performance and interaction, and ensure a consistent online brand
- Created resources to help PhD students improve science communication in social media and web design

Social Media Director, Microbiology Doctoral Training Program, UW-Madison *Nov 2017 - Present*

- Managed Microbiology Doctoral Training Program (MDTP) twitter handle (@UWMadisonMDTP)
- Increased public recognition by highlight news and work from MDTP trainers and students

SCIENCE POLICY EXPERIENCE

Meta-Review Supervisor, National Science Policy Network 2020 Election Initiative *Nov 2019 – Dec 2019*

- Participated in the 2020 Election Initiative to impact 2020 election cycle discussions and advocate for science- and evidence-based policymaking
- Reviewed and edited meta-reviews for publication as online resources cataloguing existing policies, resources, and stakeholders about various scientific topics

Science Policy Fellow, Federation of American Societies for Experimental Biology, Bethesda, MD

- Worked for the nation's largest biological and biomedical research advocacy group in the Office of Public Affairs on the Legislative Affairs team *May 2019 – Aug 2019*
- Helped to coordinate a congressional briefing about NSF-funded research addressing the public health concern of antimicrobial resistance
- Attended congressional briefings and hearings; participated in stakeholder meetings for science agencies (e.g. NSF) and professional societies (e.g. ASM, AAAS)
- Wrote articles for the FASEB Washington Update newsletter to inform society members of the latest news in science policy and advocacy

SELECTED PUBLICATIONS

- Scientist Highlight in the *ComSciConversations Blog*: "Bridging the Gap from Bench to Bedside" (2020)
- Op-Ed in *Isthmus*: "The right balance" (2019)
- Articles in *The Washington Update* from the Federation of American Societies for Experimental Biology:
 - "Senate Hearing Discusses Threat of Foreign Influence on NIH-funded Research" (2019)
 - "Contentious House Hearing on Scientific Integrity in Federal Agencies" (2019)

SKILLS

- **Computation:** HTML (intermediate), CSS (intermediate), statistics (advanced), R (advanced), Microsoft Office Suite (advanced), Google Drive (advanced), perl (familiar), python (familiar), bash (familiar),
- **Languages:** English (fluent), Spanish (fluent), Mandarin Chinese (intermediate)