**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*, JKX 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 JKX 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 *May 2020 - Present*  
 infrastructure for students to contribute to the program’s social media presence  
 - 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 *May 2019 – Aug 2019*  
 group in the Office of Public Affairs on the Legislative Affairs team  
 - 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)