Edna Chiang

PhD microbiologist and science communicator

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EDUCATION

Microbiology PhD, University of Wisconsin-Madison   *2016 - 2022*
Microbiology and Spanish BS, University of Michigan-Ann Arbor   *2011 - 2015*

PROFESSIONAL SUMMARY

- I am a PhD microbiologist and science communicator with 7 years of research experience, 4.5 years of experience managing institutional higher education social media accounts, a PhD minor in life sciences communication, and extensive training in data analysis, visualizations, and science communication / policy.

- I am seeking opportunities to work in a multidisciplinary team to help make data-driven decisions and make complex ideas accessible to diverse audiences.

WORK EXPERIENCE

COVID-19 Data Analyst, Colorado Department of Public Health & Environment   *May 2023 - Present*

- Analyzed statewide COVID-19 tests, cases, hospitalization, death, and variant data using R, RShiny, SQL, and Tableau to analyze data and create visualizations for non-technical audiences.

Graduate Research Assistant, University of Wisconsin-Madison   *Aug 2016 - Aug 2022*

- Investigated the impact of dramatic nutritional changes on host-microbe interactions in hibernating mammals.
- Simultaneously coordinated 5 research projects and collaborated with a multidisciplinary team across different institutions to design, plan, manage, and implement experiments to meet deadlines, resulting in 4 research publications.
- Served as the primary representative for my labs' outreach projects and activities by organizing and participating in various outreach events that explained complex research in accessible ways to diverse external audiences such as K-12 students as well as adults in rural and urban Wisconsin.

Founder, Social Media Committee, Microbiology Doctoral Training Program (MDTP)   *Nov 2017 – May 2022*

- Managed a team of 4 PhD students and the MDTP coordinator in creating a sustainable management and operations infrastructure for students to contribute to MDTP's social media presence.
- Developed a Social Media Handbook and Style Guide to create program standards and policies that charged the committee with objectives, identified the target audience, defined social media etiquette, described performance evaluation plans, and ensured a consistent online brand.

Science Policy Fellow, Federation of American Societies for Experimental Biology (FASEB)   *May 2019 – Aug 2019*
- Communicated science policy news to multidisciplinary scientists by distilling relevant information from congressional briefings/hearings, as well as from stakeholder meetings of federal science agencies and professional scientific societies, into 9 articles published in the FASEB Washington Update newsletter.
- Helped to coordinate a congressional briefing about federally funded research addressing antimicrobial resistance.

SKILLS

Tableau, Adobe Acrobat, Adobe PhotoShop, Microsoft Office, Google Suite, HTML, CSS, English, Spanish, Mandarin.