

Amber Chiodini

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SKILLS

- | | | |
|-----------------------------|-------------------|---------------------|
| ❖ R | ❖ Git/GitHub | ❖ Microsoft Office |
| ❖ Water Quality Assessments | ❖ RAS Maintenance | ❖ Colony Management |
| ❖ Animal Husbandry | ❖ PCR Genotyping | ❖ Research |

RESEARCH

- Modeling frontotemporal lobar degeneration (FTLD) in mice (01/2021 – 05/2022).

PRESENTATIONS

- A. Chiodini, I. A. Ayala, C. Geula, M.-M. Mesulam, K. Sadleir, R. Vassar. Ubiquitin Immunoreactivity Identifies TDP-43 Inclusions and Marks Cortical Neurons Destined to Degenerate in a Mouse Model of Frontotemporal Lobar Degeneration. Poster presented at 2021 Society for Neuroscience Annual Meeting, November 2021.
- A. Chiodini, I. A. Ayala, K. Sadleir, R. Vassar, H. Dong, M.-M. Mesulam, C. Geula. Strain-dependent Disease Progression in a Conditional Wild-type Human TDP-43 Transgenic Mouse Model. Nanosymposium presentation given at the 2022 Society for Neuroscience Annual Meeting, November 2022.

PROJECTS

Northwestern University | Chicago, IL

01/2020 - 03/2021

Coding Bootcamp Student

- Group Project – IMOK | <https://github.com/girl-power-5/coffee-and-llamas>
 - Worked with a team to create a MERN stack application that gives the user the ability to let others know their current location when they go out so that if their safety was compromised, someone would be notified.
 - Responsible for building out the database using MongoDB and assisting with deploying the application to Heroku.

PROFESSIONAL EXPERIENCE

Northwestern University | Chicago, IL

05/2022 - Present

Aquatics Technician 2

- Manages fish colony and performs all husbandry duties.
- Responsible for the training and supervision of undergraduate students for fish care.
- Maintains effectiveness and cleanliness of the aquatic housing system by replacing filters and performing water quality tests.
- Reviews and complies with all standard operating procedures and Institutional Animal Care and Use Committee guidelines pertaining to the fish facility.
- Coordinates the acquisition of laboratory supplies.

Northwestern University | Chicago, IL

01/2021 – 05/2022

Research Technologist 1

- Managed mouse colony and performed all husbandry duties.
- Followed predefined protocols, procedures, regulations, Good Clinical and Good Laboratory Practices, and conducted standard and repetitive experiments and completed basic troubleshooting techniques.
- Recorded observations and measurements and collected and compiled data in the research lab.
- Communicated with the lab manager about inventory or mechanical discrepancies within the lab.

Northwestern University | Chicago, IL

05/2019 – 01/2021

Animal Care Technician 2

- Conducts daily health checks and feedings for zebrafish (*Danio Rerio*).
- Maintains effectiveness and cleanliness of the aquatic housing systems by replacing filters and doing water quality tests.
- Performs euthanasia requests.

- Conducts a weekly census count for the Procurement, Receiving, and Census staff (PRC).
- Reviews and complies with all standard operating procedures and Institutional Animal Care and Use Committee guidelines pertaining to the aquatics facility.

Charles River Laboratories | Chicago, IL

08/2018 – 05/2019

Animal Care Technician I

- Maintained daily animal records and replaces cages and other equipment in a research setting.
- Followed principal investigator's instructions per special diets or care.
- Conducted a weekly census count for the Procurement, Receiving, and Census staff (PRC).
- Performed euthanasia requests.

VOLUNTEER EXPERIENCE

Zebrafish Rocks! | Remote

07/2022 – Present

Volunteer

- Helping to manage the ZebrafishRock! Twitter page and contributing to the Danio Digest newsletter, which is released on a monthly basis.

EDUCATION

BS **Northwestern University** | Chicago, IL | Weinberg College
Studying biological sciences.

June 2023

CERT **Northwestern University** | Chicago, IL | SPS
Completed a certificate program in full stack web development.

03/2021

CERT **Zebrafish Husbandry Association** | Online
Obtained a certificate of completion in the Zebrafish Husbandry Education Course

08/2020

CERT **American Association for Laboratory Animal Science** | Proctored Exam
Certified as an Assistant Laboratory Animal Technician.

04/2019

Relevant coursework: Health and Colony Management of Laboratory Fish (MDI Biological Laboratory, Salisbury Cove, ME, 2021), Data Visualization (Online, 2022), Diversifying Ocean Sciences (Minorities in Shark Sciences, Hybrid, 2022-23).