

AMY ARGABRIGHT

(303) 775-8909

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Non-traditional student with a unique combination of experience along with an outstanding academic performance. Senior biochemistry major with specific interests in RNA biology, structural biochemistry and neurochemistry. Experience in performing and instructing in common molecular biology and biochemistry techniques.

EDUCATION

Biochemistry B.S.

Since 2018

Metropolitan State University of Denver

- 3.89 cumulative GPA
- On track to graduate magna cum laude or summa cum laude

RESEARCH & LAB EXPERIENCE

RNA Biosciences Initiative Summer Internship

6/2022-8/2022

University of Colorado School of Medicine

- Sujatha Jagannathan's Lab
- Investigating nonsense-mediated RNA decay response in different 3' UTR sequences

Filbin Research Lab

Since 10/2021

Metropolitan State University of Denver

- Working with cellular protein team solving structure and function of intrinsically disordered DCC receptor
- Examining association with ribosomal translation machinery in neurons

Biochemistry Laboratory Teaching Assistant

Since 1/2022

Metropolitan State University of Denver

- Instruct upper-level undergraduate students in biochemistry techniques including nickel column purification, PCR, agarose and SDS PAGE gels, Bradford assays, and enzyme kinetic assays
- Assist each student group with a custom research project planning, preparation and execution for last half of semester

SKILLS

- Nickel and ion exchange columns
- DNA and SDS PAGE electrophoresis
- PCR, RT-QPCR, gradient PCR
- Primer design
- TEV-protease purification
- UV-Vis spectrophotometry
- FPLC
- UCSF Chimera modeling