

Ethan Rosati

208-709-3418

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Skills

- Communication and dissemination skills
- Work well under set timelines and dates.
- Detail oriented
- Biotechnology technique trained including PCR, gel electrophoresis, DNA extraction, and DNA sequence analysis.
- Mentoring new researchers
- Proficient with Microsoft programs (excel, word, OneNote, etc.)
- Adept grant writer
- Proficient with MEGA-X software
- Adept in R data science (website link: <https://rosatiem98.github.io/>)

Experience

August 2016-May 2017

Innovabio, Salt Lake Community College - Intern

- I oversaw producing infective stocks of a biological virus along with another intern.
- I also oversaw testing of titration for how infective they were.
- Producing making large quantities of buffer solutions, maintaining clean laboratory environment, and keeping updated lab notebook.

March 2019-August 2020

Utah Valley University- Student Researcher

- Write grants for materials and wages.

- Write protocols for lab procedures.
- Prepare presentation for dissemination of research.
- Prepare reagents.
- Conduct DNA extraction, amplification, and sequence analysis on herbarium specimens.
- Maintain clean laboratory environment
- Maintain detailed laboratory notebook

Education

- High School Diploma
- Studying Biotechnology at Utah Valley University
- Utah Valley University Associates degree in science

Awards and Funding (Total = \$23,332)

- Silver Medal in Artel pipetting accuracy challenge with over 50 other laboratories.
- Received AP Scholar award
- Dean's List 2017
- \$4756 travel funding from UVU group SAC grant
- \$1998 materials funding from UVU SAC grant
- \$14578 from UVU group URSIG grant
- \$2000 funding from UVU URSCA grant

Poster Presentations:

“Barcoding and Comparison of DNA Extractions of ITS Region Between Angiosperm and Gymnosperm Herbarium Specimens” Botany 2020

“Barcoding and Comparison of DNA Extractions of ITS Region Between Angiosperm and Gymnosperm Herbarium Specimens” UASAL Conference 2021

Senior Thesis:

"Biofuel Materials and Methods: A Review of Nordic Microalgae and Genetic Processes Used in Production of Biological Fuel"

<https://cdm17182.contentdm.oclc.org/digital/collection/UVUTheses/id/769/rec/1>

References:

Erin Riggs

971-533-5301

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Herbarium Director/Principal Investigator

Mary Nelson

801-518-7565

Director, InnovaBio

Tyler Packard

385-288-7061

Concessions Manager, Cuisine Unlimited

Michelle Palomares

385-345-2772

Depot Lead, UST- IT Client Services