

Alex Labossiere

Louisville, KY | (401) 470-1655 | a0labo02@louisville.edu

EDUCATION:

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|---------------------|---|--------------|
| Sept 2020 - Present | UNIVERSITY OF RHODE ISLAND <i>Major:</i> Cellular and Molecular Biology, PhD , College of Environment and life sciences | Kingston, RI |
| Aug 2015 - May 2020 | UNIVERSITY OF RHODE ISLAND <i>Major:</i> Cellular and Molecular Biology, Concentration in Microbiology, College of Environment and life science, B.S. <i>Minor:</i> Philosophy, College of Arts and Sciences | Kingston, RI |
| May 2015 | WILLIAM M. DAVIES, Jr. CAREER AND TECHNICAL HIGH SCHOOL <i>Concentration:</i> Biomanufacturing Technology | Lincoln, RI |

PUBLICATION:

Labossiere A, Ramsey M, Merritt J, Kreth J. 2023. Molecular commensalism—how to investigate underappreciated health-associated polymicrobial communities. mBio 14:e0134223.
<https://doi.org/10.1128/mbio.01342-23>

RELEVANT COURSEWORK:

Immunology and Serology, General Genetics, Pathogenic Bacteriology, Virology, Biofilms, Practical Tools for Molecular Sequencing, Issues in Biotechnology, Philosophy of Science and Inquiry, Big Data Analysis, Practical Tools for Molecular Sequence Analysis

TECHNIQUES & SKILLS

Techniques: Aseptic technique, plasmid design and purification, molecular cloning and Polymerase Chain Reaction, electrophoresis, Nucleic acid extraction, quantification, and purification, assay design, bioinformatic analysis, microscopy (light and fluorescence), media formulation, streaking for isolation, culturing and identification

Skills: Research design and analysis, critical evaluation of scientific literature, good laboratory practice, media prep, sterilizing glassware, general lab cleaning, Proficient in Microsoft Office (MSWord, Excel, PowerPoint), Proficient use of Internet for research and e-mail, familiar with working with Bash, QIIME2, CLI. Public speaking and scientific presentation abilities, Diplomatic, People person

RESEARCH EXPERIENCE:

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| Aug. 2020 – Present | University of Rhode Island Graduate Research Assistant , Matthew Ramsey, Ph.D., Assistant Professor - Contributed to research on polymicrobial interactions within supragingival plaque - Creating dental model to support supragingival plaque growth | Kingston, RI |
| Sep. 2018 – May 2019 | University of Rhode Island Undergraduate Research Assistant , Xinyuan Chen, Ph.D., Assistant Professor - Contributed to research on adjuvants and vaccines - Practiced safe laboratory procedures, conducting experiments, setting and running gels, analyze and interpreting data | Kingston, RI |

WORK EXPERIENCE:

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| Sept 2021 – Dec 2021 | University of Rhode Island Teaching Assistance , CMB 201/211, Introductory Microbiology Labs <ul style="list-style-type: none">- Preparing PowerPoints for 10+ lectures- Mentoring classes with 20+ students- Teaching proper aseptic technique- Grading lab reports and exams | Kingston, RI |
| May 2018 – Mar. 2019 | 193 Degree Coffeehouse Volunteer barista , Memorial Union <ul style="list-style-type: none">- Prepare/sell various drinks- Maintaining inventory- Cleaning and general upkeep of equipment- Attend customers' needs | Kingston, RI |
| Mar. 2017 – Sep. 2019 | University of Rhode Island Student housekeeper , HRL Services <ul style="list-style-type: none">- Dormitory custodial services- Maintained and upkeep of dorms year round | Kingston, RI |
| Sept. 2015 – Nov. 2015 | University of Rhode Island Media preparation , CBLS <ul style="list-style-type: none">- Clean glassware- Prep/pour various agar plates- Autoclave biohazardous material- Sterilize various tools and media | Kingston, RI |
| Feb. 2015 – Mar. 2015 | Rhode Island Hospital Volunteer , Blood Labs <ul style="list-style-type: none">- Centrifuge blood and urine samples- Make and view blood smears- Label specimens and load machinery | Providence, RI |
| Dec. 2014 – Nov. 2014 | Rhode Island Dept. Of Health State Laboratory Volunteer , Micro labs <ul style="list-style-type: none">- Clean glassware- Milk phosphate tests- Streaking plates- Calibrating equipment | Providence, RI |

MEMBERSHIPS AND AFFILIATIONS:

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| Active | American Association for Dental, Oral, and Craniofacial Research |
| Inactive | American Society for Microbiology |
| Inactive | URI Fencing team (2015-2016) |
| Inactive | Alpha Chi Sigma Professional Chemistry Fraternity |