

# Eli Le

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## Education

### The University of Texas at Austin

Austin, TX

*Bachelor of Science and Arts, Biology*

August 2018 - May 2021

- 3.6/4.0 GPA | Minor in English
- Relevant coursework: Computational Biology, Biostatistics, Medical Microbiology & Immunology

## Experience

### The University of Texas at Austin

Austin, TX

*Integrative Biology, Lab of Dr. Nancy Moran*

*Undergraduate Research Assistant*

October 2018 - present

- Using molecular techniques to characterize the bumble bee gut microbiome
- Culturing bacteria and maintaining colonies of live bumble bees
- Maintaining laboratory supplies/equipment, e.g., by preparing media/autoclaving materials

### Baylor College of Medicine

Houston, TX

*Molecular Virology and Microbiology, Lab of Dr. Mary Estes*

*Student Technician*

June 2018 - August 2018

- Cultivated murine rotavirus in mouse small intestine-derived organoids
- Optimized qRT-PCR to detect murine rotavirus transcription in mouse gut tissue
- Analyzed expression of stem cell differentiation markers in human and mouse small intestine-derived organoids

## Publications

- Hammer, T.J., **Le, E.**, Moran, N.A. 2021. Thermal niches of specialized gut symbionts: the case of social bees. *Proceedings of the Royal Society B* 288, 20201480.
- Hammer, T.J., **Le, E.**, Martin, A.N., Moran, N.A. The gut microbiome of bumblebees. Submitted.

## Activities

### American Society for Microbiology – University of Texas at Austin Chapter

2018 – 2020

*Secretary*

2019 – 2020

- Facilitated communication between faculty sponsors and club members
- Maintained meeting records and updated membership information

### Longhorn Emergency Medical Services

2018 – 2019

*Research Committee Chair*

- Worked with officer team to ensure club members stayed up to date on medical research
- Prepared slideshow presentations and interactive learning activities for club meetings

## Additional Information

- Experienced with laboratory techniques such as bacterial culture, DNA and RNA extraction, mammalian cell culture, Western blotting, and qRT-PCR
- Received UT Undergraduate Research Fellowship (\$997) in Fall 2019
- Working knowledge of R, learning Python and Unix
- Conversant in Mandarin Chinese