

Lauren Hart

(832)-618-5926 ▪ Lnhart19@gmail.com ▪ Austin, TX 78705

EDUCATION

University of Texas at Austin, Austin, TX

Bachelor of Science and Arts in Biology, certificate in Spanish for Medical Professions

December 2020

- GPA: 3.91, Science GPA: 3.895, University and College Honors

RESEARCH

Freshman Research Initiative- Plant Pathways Laboratory (Dr. Tony Gonzalez)

January 2018 –Present

- Conduct experiments involved in identifying the functions of specific genes in *Arabidopsis Thaliana*
- Analyzed PCR, nanodrop, and gel electrophoresis data from plant genetic and cloning experiments

Secondary Metabolite Analysis (Dr. Brian Sedio)

January 2020-Present

- Conduct extractions of secondary metabolites in forest species using mass spectrometry
- Collect and analyze species of interest from land plots in Austin, TX

Manipulation of laticifer pathways of the Russian Dandelion (Zachary Wentzell)

January 2020-Present

- Manipulation of the laticifer pathway in order to use the Russian Dandelion as an alternative source of rubber using genetic recombination and cloning techniques

WORK EXPERIENCE

Biostatistics Undergraduate Teaching Assistant

January 2019 – Present

University of Texas at Austin, Austin, TX

- Lead students through a weekly lab involving R studio in order to analyze different data sets
- Collaborate with other TA's and professors in grading assignments in a timely manner

Lab Mentor

January 2019 – Present

Plant Pathways Lab at the University of Texas at Austin, Austin, TX

- Teach new members the necessary skills to feel comfortable in lab in regards to equipment, procedures, analyzing results, individual projects, writing, and editing

HEALTHCARE EXPERIENCE

Dr. Mathew Harting

June 2019-January 2020

McGovern Medical School at UTHealth/CMHH, Department of Pediatric Surgery, Houston, TX

- Total of approximately 200 hours of observation during the summer
- Observed a variety of pediatric surgeries and the routine of a pediatric surgeon including rounds, lectures, research, and meetings

Dr. Mona Khattab

Texas Children's Hospital, Department of Neonatology, Houston, TX

May 2018

- 8 hours/day for 1 week
- Observed morning and grand rounds, round table discussions with other members of the neonatology team, diagnosis treatment decisions making, and conversations with the parents of patients

Dr. Scott Osborne

May 2018

Texas Children's Hospital, Department of Neonatology, Houston, TX

- 8 hours/day for 1 week
- Observed full care of neonates with a higher focus on cardiovascular functions

COMMUNITY SERVICE

Muscular Dystrophy Association Camp Counselor

June 2018 – Present

Camp for All, Burton, TX

- Lead campers with muscular dystrophy through a week of overnight camp
- Work as a team to ensure the safety of all campers 24 hours a day for 6 days

5th grade Science tutor

August 2018 - Present

Pease Elementary school, Austin, TX

- Visit a 5th grade science classroom once a week and help students struggling with science concepts

Ronald McDonald House Charities Volunteer

June 2019- Present

Happy wheels Cart Pusher, Dell Children's Hospital, Austin, TX

- Handout toys, snacks, coffee, and toiletries to families staying in the hospital

Girls Empowerment Network School Lead

January 2019 – Present

Harris Elementary School, Austin, TX

- Lead an after school group of girls through lessons and fun activities that will empower them as woman

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Camp Kesem Camp Counselor

August 2019-Present

The University of Texas at Austin

- Fundraised over \$700 to send kids who have been affected by their parents cancer to camp
- Worked events during the school year and a week of camp for children who have been affected by their parents cancer

INVOLVEMENT

Alpha Phi Sigma Pre-Medical Honor Society

January 2018 - Present

The University of Texas at Austin, Austin, TX

Caduceus Pre-Medical Club

January 2018- Present

The University of Texas at Austin, Austin, TX

Sorority Member

August 2017 –Present

Alpha Delta Pi, Delta Chapter at The University of Texas at Austin

SKILLS

Computer Skills: Word, PowerPoint, and Excel; R studio

Language Skills: Expected proficiency in Spanish