

Jeannie Yaejin Hong

709 W 22nd St. Apt 321 | Austin, TX 78705

469-268-5313 | hong.yj@utexas.edu

EDUCATION

The University of Texas at Austin, Austin, TX
Bachelor of Science and Arts, Honors in Biology
Health Science Scholars
GPA: 4.0
Minor in Educational Psychology

Expected May 2020

EXPERIENCE

Lee Lab

July 2017 – Present

Research Assistant; University of Texas at Austin, Hongjoo Joanne Lee, PhD.

- Study the effects of estrogen level of female rats in renewal of appetitive behavior.
- Analyses of rat's conditioned behaviors on video files
- Handling and training rats under Pavlovian appetitive conditioning protocol
- Performing a vaginal lavage technique to determine estrous cycle of female rats
- Histological techniques such as tissue mounting
- Microscopic imaging technique for anatomical and cellular analyses

Freshman Research Initiative: Antibiotics

January 2017 – December 2017

- Performed wet-lab and microbiology scientific research for finding novel antibiotics, using methods including polymerase chain reaction, gel electrophoresis, organic extraction, and bioassays.
- Study mutagenesis in *Streptomyces chartreusis* strain ACSL 2 to produce antibiotic producing mutants.

Freshman Research Initiative Summer Fellowship

June 2017 – August 2017

- Performed further research on *Streptomyces chartreusis* and how signaling molecules from one strain can affect the biosynthesis process of antibiotics in another stain of *Streptomyces*.
- 20hrs/week

Undergraduate Teaching Assistant- Scientific Inquiry Across the Disciplines

August 2018 – December 2018

University of Texas at Austin

- Mentor students in SIAD class by guiding them through scientific research and teaching basic lab techniques.

Teaching Assistant – Organic Chemistry Lab

University of Texas at Austin

Medical and Water Mission to Nicaragua

January 7, 2017 – January 13, 2017

Brigader

- Visited the community of Las Mojarras in Esteli, Nicaragua to provide medical and dental care.
- Worked on placing pipes to provide clean water supply to the community.

Medical Mission to Mexico

August 6, 2017 – August 12, 2017, January 1, 2019 – January 6, 2019

Missionary

- Visited the community of Zaragoza, Mexico to provide medical and dental care.

FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS

C.R. Smith Endowed Scholarship

Fall 2016, 2017, 2018 / Spring 2017, 2018

MCorp-George Clark Scholarship	Fall 2016, 2017, 2018 / Spring 2017, 2018
Distinguished College Scholars	2018, 2019
Kemp-Foreman Memorial Endowed Presidential Scholarship	Fall 2018, Spring 2019
Dr. Anson L. Clark Endowed Presidential Scholarship	Fall 2019, Spring 2019
Health Science Scholars Honors Program	2016-Present
Undergraduate Research Fellowship	

ACADEMIC AND COMMUNITY SERVICE

Global Medical Missions Alliance, Austin, TX <i>Historian, Volunteer Committee</i>	September 2016 - Present
<ul style="list-style-type: none"> • Keep data of the medical missions • Coordinate volunteer events that support UT and Austin community. • Coordinate fundraiser events to support the organization financially. • Prepare and help organize medical missions abroad. 	
Alpha Epsilon Delta Pre-Health Honor Society, Austin, TX <i>Member</i>	September 2016 – December 2017
<ul style="list-style-type: none"> • Experience different careers in the health care field. • Build strong relationships with other students in pursuit of health professions. 	
Global Medical Brigades, Austin, TX <i>Member</i>	September 2016 – January 2017
<ul style="list-style-type: none"> • Prepared to go on medical missions. • Organize a lesson for the children to teach them about basic health care and personal hygiene. 	
Seton Medical Center Austin, Austin, TX <i>Volunteer</i>	March 2017 – May 2018
<ul style="list-style-type: none"> • Work in ICU and Oncology unit to help with paper works and organize the unit. • 4 hours a week 	
Micah 6 Food Bank, Austin, TX <i>Volunteer</i>	February 2017 - Present
<ul style="list-style-type: none"> • Organize the pantry and assist in managing the flow of the pantry. • 3 hours every two week 	

Publication

Hilz EN, Smith RW, Hong YJ, Monfils M-H, & Lee HJ (2019) Mapping the estrous cycle to context-specific extinction memory. Behavioral Neuroscience