

# Luis Meneses

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## EDUCATION

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<b>Arizona State University, Tempe, AZ</b>	Expected December 2023
Bachelor of Science in Biological Sciences	
<b>GPA: 4.0</b>	

## RESEARCH EXPERIENCE

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<b>Lab Manager</b> , Biodesign Center for Mechanisms of Evolution	<b>October 2022- Current</b>
Arizona State University, Tempe, AZ	

**P.I.:** Navish Wadhwa, Ph.D. (Assistant Professor of Physics and Biological Physics)

- Receive, label, and safely store bacterial samples for further research
- Administer commonly used lab equipment and consumables
- Create invoices for reagents, enzymes, and chemicals for storage and experiments
- Design research projects that align with overall lab objectives and purposes
- Train incoming personnel with lab procedures, techniques, and projects
- Collaborate with P.I on managing and assisting on daily lab activities

<b>Research Assistant</b> , Summer Research Opportunity Program	<b>May 2022-August 2022</b>
University of Michigan, Ann Arbor, MI	

**P.I.:** JoAnn Sekiguchi, Ph.D. (Professor of Human Genetics and Internal Medicine)

- Researched the effects of a mutation on the Artemis protein from Atypical SCID patient
- Located the codon of interest to formulate primers for a Gibson Assembly
- Synthesized the mutant through chemical transformation to express in *E. Coli*
- Successfully sequenced the mutant gene from sample colonies
- Test for protein expression through a Western Blot compared to a wild type
- Analyze the recombination frequency in a double selection plate

<b>Lab Assistant</b>	<b>January 2022 - May 2022</b>
Arizona State University, Tempe, AZ	

**Professor:** Susan Holechek, Ph.D. (Professor of Genetics and Research)

- Analyzed primary research articles to expand on literacy skills
- Collaborated with TAs to design protocols for novice science students
- Conducted preliminary research on the effects of MHC genes in COVID-19 patients
- Evaluated student research presentations on a weekly basis

## Lab Intern

August 2016 – May 2018

University of Arizona, Mesa, AZ

**Instructor:** Allison McCaw (Biotechnology Lead Specialist)

- Learned conventional laboratory techniques through biotechnology applications
- Examined DNA and RNA assays and extractions under literature reviews
- Practiced aseptic techniques and learned cloning practices experimenting with plants

## PROFESSIONAL EXPERIENCE

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### Billing Specialist

November 2021 – March 2022

ASU Health Services, Tempe, AZ

- Followed HIPPA regulations in disclosing patient health information
- Worked with multiple insurance companies to E-verify names and account numbers
- Completed unfulfilled insurance claims in backlogs from 2020

### Gown Technician

July 2019 – August 2020

Avantor, Ocotillo, AZ

- Review and approve any invoices to packaging and shipping receipts
- Responsible for preparing shipping documentation and staging material for pickup

### Instructional Assistant

August 2018 – November 2018

Lincoln Elementary, Mesa, AZ

- Translate educational concepts from Spanish to English for students
- Evaluate student test scores to modify learning approaches

## TEACHING EXPERIENCE

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### College Tutor

August 2020-Current

Arizona State University, Tempe, AZ

- Tutor general biological and chemistry courses along with calculus for novice learners
- Modify teaching methods in creating videos and readings as learning materials
- Create practical application from course material using primary research article

### Guidance Counselor

The Church of Jesus Christ Latter Day's Saint's, Mesa, AZ

June 2014- Current

- Advocate for Latinx youth and LGBT+ members
- Improve community relationships with workshops and food drives on a quarterly basis
- Create social media platforms for communication using Facebook and Instagram

**Bilingual Coach****August 2018-November 2018**

Mesa Public Schools, Mesa, AZ

- Specialized in early learning development for K-12 students with non-English speakers
- Instructed teachers to change lessons plans to accommodate ELD students
- Taught arithmetic math in both Spanish and English

**LEADERSHIP EXPERIENCE****Outreach Organizer****April 2019- July 2019****Aliento**

Phoenix, AZ

- Addressed financial burdens of undocumented students on social media
- Charted demographics to analyze election probability of overturning Prop 300
- Guided outreach programs to bring nonimmigrant communities in town halls
- Improved relationships with local elected officials through lobbying efforts
- Developed creative projects to display in the annual art exhibition

Attendee, **29th Annual SOLS Undergraduate Research Symposium**Attendee, **16th Annual WAESO LSAMP Student Research Conference**Attendee, **Congress of Future Medical Leaders and Future Scientists 2017****PRESENTATIONS**

**Meneses, L.** (August 2022). *Immune system disease and defective V(D)J recombination caused by an Artemis variant*. Presented at Summer Research Symposium (Ann Arbor, MI).

**AWARDS****The Dream U.S. Scholarship****Awarded 2020****Senatorial Award of Excellence****Awarded 2017****The National Academy of Future Medical Doctors****Awarded 2017**