

August 2021

**LIBARDO ENRIQUE GOMEZ GOMEZ**  
**egomezgomez@wustl.edu**

**EDUCATION**

- 2019 – present**      **Washington University in St. Louis**  
Dept. of Anthropology  
Ph.D. student
- 2014 – 2019**      **University of Oregon**  
B.S., Biology, emphasis in Molecular Biology  
Minor, Anthropology, emphasis in Biological Anthropology  
Minor, Chemistry
- 2009 – 2014**      **Lane Community College**  
Associate of Arts transfer (AAOT)  
2 Years of English as a Second Language (ESL)

**RESEARCH EXPERIENCE**

- 2019 – present**      *PhD student member*, Primate Genetics & Molecular Ecology lab  
Washington University in St. Louis  
Advisor: Dr. Emily Wroblewski
- 2016 – 2019**      *Member*, Molecular Anthropology Group  
University of Oregon  
Advisor: Dr. Kirstin N. Sterner  
participated in research projects as well as weekly lab meetings and  
multiple outreach activities.
- Project: Genetic component and evolutionary origins of nonprogressor status in SIV infected Old World monkeys.*  
Conducted an exhaustive literature search to identify candidate genes that regulate immune response to viral infection. Generated gene alignments of candidate genes using MEGA and Mesquite from publicly available data (UCSC Genome Browser and Ensembl), and used these alignments to conduct evolutionary analyses (MEGA, Mesquite and PAML).
- Project: Contribution of miRNAs to nonprogressor status in SIV infected Old World monkeys.*  
Observed and assisted with functional assays *in vitro* used to verify targets of differentially expressed miRNAs.
- Project: Evolution of centromere-associated proteins in primates (in collaboration with Drs. Emily Beck and Bill Cresko, Dept. of Biology)*

Generated gene alignments of candidate genes using MEGA and Mesquite from publicly available data (UCSC Genome Browser and Ensembl) and used these alignments to conduct evolutionary analyses (MEGA, Mesquite and PAML).

**2016 – 2017**

*Member, Primate Osteology Lab  
University of Oregon*

Advisor: Dr. Frances J. White  
involved in morphology research projects as well weekly lab meetings and multiple outreach activities.

*Project: Measuring finger ratios in hands and bones: Testing reliability and accuracy of postmortem methods of 2D:4D assessment in primates.*  
Developed a method for acquiring postmortem 2D:4D accurate measurements from articulated primate skeletal remains when fully fleshed hands are not available. The data for this project was collected by measuring a primate specimen hand in different physical states (fully fleshed, tendon, bones with epiphyses attached, bones without epiphyses attached).

*Project: Comparing post-mortem and osteological measures of primate 2D:4D digit ratios.*

Generated a comparative study of 2D:4D measurements among multiple primate families following the guidelines and study I developed as being the most accurate method of accuracy.

*Project: Comparing post-mortem and osteological measures of primate 2D:4D digit ratios for sex determination.*

The previously developed methods were used to identify the sex of individuals using comparisons with known sex individuals.

*Project: Degreasing and identifying postmortem human and non-human primate bones, collaborated with members of the lab degreasing skeletal material in the Museum of Natural and Cultural History primate osteology collection*

**RESEARCH POSTER PRESENTATIONS**

- 2019 Gomez, Libardo E.,** Beck, Emily, A., Kirstin N, Sterner. Testing the centromere-drive hypothesis in primates. University of Oregon Undergraduate Symposium, Eugene OR
- 2019 Gomez, Libardo E.,** Beck, Emily A., Kirstin N, Sterner. Testing the centromere-drive hypothesis in primates. 88<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Cleveland OH
- 2018 Gomez, Libardo E.,** White, Frances, J. Comparing post-mortem and osteological measures of primate 2D:4D digit ratios for sex determination. University of Oregon Undergraduate Symposium, Eugene OR

August 2021

- 2017 Gomez, Libardo E.**, Beavers, Josie, White, Frances, J., Frost, Stephen R. Comparing post-mortem and osteological measures of primate 2D:4D digit ratios. 86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, New Orleans LA
- 2017 Gomez, Libardo E.**, Beavers, Josie, White, Frances, J., Frost, Stephen R. Comparing post-mortem and osteological measures of primate 2D:4D digit ratios. University of Oregon Undergraduate Symposium, Eugene OR
- 2016 Gomez, Libardo E.**, Beavers, Josie, White, Frances J., Frost, Stephen R. Measuring finger ratios in hands and bones: Testing reliability and accuracy of postmortem methods of 2D:4D assessment in primates. University of Oregon Undergraduate Symposium, Eugene OR

## AWARDS

- 2019 **IDEAS** (Increasing Diversity in Evolutionary Anthropological Sciences)  
Scholar at the American Association of Physical Anthropologists

## TEACHING

- 2020 – Present** Department of Anthropology, Graduate Teaching Fellow  
Washington University in St. Louis, St. Louis, MO  
Courses:  
ANTH 4134 – The AIDS Epidemic: Inequalities Ethnography, and Ethics.  
Guest lecture: A review of zoonotic diseases  
ANTH 4202 – Anthropological Genetics. Dr. Emily Wroblewski  
Guest lecture: Hybridization, Admixture, and Genetic Diversity  
ANTH 3662 – Guest lecture: Hybridization, Admixture, and Genetic Diversity
- 2017** Department of Biology, Biology Undergraduate Lab Assistant  
University of Oregon, Eugene, OR  
Course – Bi 122 Introduction to Human Genetics
- 2013 – 2015** Science Division – Science Resource Center Undergraduate Tutor  
Lane Community College, Eugene, OR  
Courses – BI 231 - Human Anatomy and Physiology 1  
BI 232 - Human Anatomy and Physiology 2  
BI 233 - Human Anatomy and Physiology 3

## LANGUAGES

- Spanish** Speak, read, write fluently  
**English** Speak, read, write fluently

August 2021

## **WET LAB SKILLS**

Maintaining and passaging mammalian cell cultures, experience with aseptic cell culture techniques

## **COMPUTER SKILLS**

<b>OS</b>	Mac OS and Windows XP/Vista/7 (basic)
<b>Programing</b>	Anaconda, Python, RStudio
<b>Genetic analysis</b>	UCSC Genome Browser, Ensembl, Mesquite, MEGA, PAML
<b>Other</b>	Adobe Photoshop, Adobe Illustrator

## **SOCIETY MEMBERSHIP**

2016 – Present	American Association of Biological Anthropologists
2020 – Present	American Association of Anthropological Genetics
2020 – Present	Asociación Primatológica Colombiana

## **VOLUNTEER & OUTREACH ACTIVITIES**

2018-2019	Volunteer instructor, University of Oregon Science Program to Inspire Creativity and Excellence (SPICE) summer camp with the Molecular Anthropology Group
2018-2019	Meet the scientist outreach, Molecular Anthropology Group
2018	AAPA Podium Presentation Assistant
2018	Volunteer instructor, University of Oregon Science Open House
2017	Meet the scientist outreach, Primate Osteology Lab
2017	Meet the scientist outreach, Molecular Anthropology Group
2017	High school student outreach, Primate Osteology Lab
2016	What is biological anthropology?, Primate Osteology lab
2015	Forensic excavation, Eugene police department