

Daniel E. Gomez Ramos

25070 Cedar Road · Beachwood, OH 44122 · dg022315@ohio.edu · (407) 433-8244

Education

Ohio University-Heritage College of Osteopathic Medicine, Warrensville Heights, OH 44122

Start Date: July 2016
Doctor of Osteopathic Medicine (D.O) May 2021 (Anticipated)

The Ohio State University, Columbus, OH 43210

Start Date: May 2013
Bachelor in Science (B.S): August 2015
Major: Molecular Neuroscience

Valencia College, Orlando, FL 32825

Start Date: May 2011
Associate in Arts (A.A): December 2012
Major: General

Leadership/Activities

Latino Medical Student Association (LMSA) National Publications Chair

OUHCOM Humanism in Medicine First Year Liaison

National American Medical Student Association (AMSA) Delegate/Facilitator

Nu Rho Psi Tutor

President/Founder of Pre-Medical American Medical Student Association OSU Chapter

Buck-I-Serv Boston Outreach Program Leader

Humanism in Medicine OSU Organization Vice President of Community Service (2 Semesters)

National AMSA Pre-medical Region Director (2014-2016)

Secretary of OSU Chemistry Club (2 Semesters)

Vice President of Valencia College Pre-medical Club (2 Semesters)

Vice President of Valencia College AMSA Chapter (2 Semesters)

Valencia College Student Research Committee Representative (3 Semesters)

Honors

Kaplan MCAT Course Scholarship (2x)

Nu Rho Psi Honor Society

National Mortar Board Honor Society Selectee

Bank of America Scholar & Dollar Recipient

Danish Institute for Study Abroad (DIS) Scholarship Recipient

Seneff's Honors College Certificate

Phi Theta Kappa

Seneff's Honors College Student (Valencia College)

- Fundamentals of Biology I & II w/ Lab Honors
- General Chemistry I w/ Lab Honors
- Introductory Statistics Honors
- Introductory Sociology Honors

Academic Dean's List (4x)

Florida Hospital 200 Hour Service Award

Volunteer Experience

Faith Assembly of God Church

January 2016 – May 2016

Emergency Medical Response Team Member

- Treating minor injuries such as scrapes, small cuts, etc.
- Drafting the Standard Operating Procedures (SOP)

- Transport patients to the first aid room
- Completing incident reports by using S.O.A.P notes

Shepherds Hope Free Health Clinic

January 2016 – May 2016

General Volunteer

- Shadowing physicians of different specialties
- Training for eligibility specialist
- Helping to organize files of patients in medical records department
- Perform vitals for patients
- Assist nurses by providing requested equipment
- Serving as an interpreter

St. Thomas Aquinas Free Medical Clinic

EKG Tech Volunteer/Healthcare Volunteer

January 2016 – Present

- Interpreting Spanish for patients and doctors
- Recording vitals of patients
- Fillingout paper/electronic medical charts
- Shadow primary care physicians and specialists

Ohio School of Phlebotomy:

April 2015 – November 2015

Event Volunteer

- Co-author of 2nd EKG/cardiac practice manual edition
- Prepared vaccines at OSU clinic by compounding (pharmacy)
- Teaching assistant for EKG, phlebotomy, and medical assistant courses
- Administered Hep B, TDAP, HPV, MMR, Varicella and Meningitis vaccines
- Volunteer at community health day
- Perform lipid-glucose lab analysis on patients
- Using needle sticks to collect blood samples
- Filling medical records with results from Cholestech LDX device

Boston Urban Outreach

Buck-I-Serv Leader

August 2014 - January 2015

- Worked with homeless individuals at Medeiros Homeless Shelter
- Prepared and served food to the homeless at the Boston Rescue Mission
- Prepared and served lunch/dinner for individuals who are affected by HIV/AIDS
- Interacted with HIV/AIDS affected patients and cleaned at Boston Living Center
- Assisted social workers by sorting boxes of clothes for children born into poverty
- Spoke to mothers whose children are living under poverty and distributed clothes at A Room to Grow
- Picked and packaged books for prisoners after reading their letters at the Prison Book Program
- Lead a group of 50 students by organizing groups, creating shifts and guiding to destinations
- Engaged with students on a personal level to understand individuals backgrounds
- Listened to two speakers who were homeless and drug addicts
- Presented meaningful experiences to student organizations
- Made science Lego set for elementary age students with People Make a Difference

Vineyard Community Church, Columbus, OH

April 2014 – December 2015

LAUNCH Tutor/Adviser

- Weekly cash stipend
- Assisting middle/high school students with science, math and Spanish coursework:
 - Chemistry
 - Biology
 - Physics
 - Anatomy & Physiology
 - Algebra through Pre-Calculus
 - Spanish I, II and III

- Interacting with students in 9th -12th grade to provide academic guidance
 - Assisting with drafting personal statements for academic-related activities
 - Offering guidance about becoming a pre-med student and medical school
- Nationwide Children's Hospital, Columbus, OH April 2014 – December 2015
H Level 4 Cardiac/Clubhouse Volunteer Hours: 120+
- Engaging in several activities with patients of different age groups
 - Assisting the parents of the patient in order to provide relief
 - Helping nurses, PCA's and respiratory therapists by cleaning equipment, re-stocking as well as taking care of patients
- American Red Cross, Columbus, OH March 2014- Present
Disaster Assessment Team (DAT)/ First Aid Service Team (FAST) Member
- Patient actor for EMR training course
 - Psychological First Aid: Learned to communicate with victims, how to assist victims in time of need
 - Complete and file patient reports of incident and injuries
 - Communicate with patient and family members to provide emotional support
 - Collaborate with fellow team members to accomplish the task at hand
 - Provide emotional and financial relief to disaster victims
 - Complete information on designated forms provided before and during the disaster
- HAY-U Children Event, Columbus OH January 2014 – August 2015
Chemistry Club Volunteer
- Monthly visitations to present chemistry experiments to children grades 1st - 5th
 - Speak about how science can be enjoyable, but also important
- Florida Hospital, Orlando, FL September 2012- August 2013, February 2016- Present
Neurosurgical & Neuromedical Unit Volunteer Hours: 50+
- Assisted the nurses by filing documents
 - Provided comfort to post-surgery patients
 - Communicated with patients and family members
 - Assisted the physician with any simple tasks such as retrieving equipment
- Give Kids the World Village, Kissimmee, FL October 2009 – August 2010
Kitchen Volunteer Hours: 50+
- Helped prepare meals for children
 - Provided emotional support for family and children
 - Kept the kitchen organized in order to perform at optimal efficiency
 - Fully aware that fellow volunteers followed directions as instructed
- Florida Hospital, Kissimmee, FL June 2008 - March 2011
Radiology Department Volunteer Hours: 200+
- Assisted techs by filing patients documents
 - Observed and learned how techs managed X-ray, MRI, PET and CAT machinery
 - Helped techs by giving a fundamental X-ray analysis
 - Provided comfort to patients before and after medical examinations

Clinical Shadowing Experience

Hours: 100+

- Dr. White, DO (Neurosurgery) Phone: (614) 734-5000
 Columbus Neurosurgical Spine, 4995 Bradenton Ave, Dublin, OH 43017
- Dr. Blake, OD (Optometry) Phone: (614) 789-5559
 6850 Perimeter Drive, Dublin OH 43016
- Dr. Fangman, DDS (Oral and Facial Surgery) Phone: (614) 885-3339
 4607 Leap Court, Hilliard, OH 43026
- Dr. Hussein, MD (Neurology) Phone: (614) 760-0666
 6805 Avery-Muirfield Dr., #202 Dublin, OH 43016
- Dr. Skandamis, MD (Dermatology) Phone: (614) 602-6455
 Universal Dermatology & Vein Care, 425 Metro Place North, Dublin, OH 43017
- Dr. Tornik, DO (Family Medicine) Phone: (614) 873-6700
 Tornik Family Medicine Clinic, 209 North Chillicothe Street, Plain City, OH 43064

-Dr. Michalak, DDS (General Dentistry) Phone: (440) 446-1555
Hayden Run Dentistry Clinic, 4986 Cosgray Rd., Dublin, OH 43016

-Sara Taylor, PA (Physician Assistant)
Universal Dermatology & Vein Care, 425 Metro Place North, Dublin, OH 43017

Research/Lab Experience

Heritage College of Osteopathic Medicine Fall 2016 - Present
Research Assistant under Dr. Rubin- Qualitative/Medical Anthropology

UCF Partnership II Spring 2016 – Summer 2016
Research Assistant under Dr. Reinerman-Jones – Human-Robot Interaction (HRI)

- Served as a peer-reviewer
- 9 lead EEG recording are used to measure electrical activity in the cortex
- Using an eyetracker, fNIR, ECG
- Completing literature reviews on HRI, Theory and Standard Metrics
- Using programs such as Zotero and Endnote to organize citations

UCF Partnership II Spring 2016 – Summer 2016
Research Assistant under Dr. Bockelman- Department of Defense (DoD) Research

- Submitted manuscript on telemedicine for peer-review and publication
- Simulation lab presenting the possibility of a US viral outbreak
- Meta-analysis on different viral hemorrhagic fevers
- Presentations to inform the team relevant information about virology/public health
- Completing literature reviews on Telemedicine Applications, Mobile Clinics

OSU Institute for Behavioral Medical Research Fall 2014 - Fall 2015
Undergraduate Research Assistant under Dr. Pyter's Lab- Neuroimmunology & Oncology

- Using the cryostat to prepare slides of tumor samples
- Inducing cancer cells into mammary fat pad of mice and anesthetizing mice
- Weighing mice and measuring size of tumors and spleens
- Using flow cytometer to create scatterplot of different cell types
- Live animal husbandry (surgically remove spleen, femur, brain, lymph nodes)
- Scoring dermal wounds by measuring diameter and area via Adobe X Pro
- Performed RNA extraction from different tissue types

OSU James Comprehensive Cancer Center, Columbus, OH spring 2014- spring 2015
Undergraduate Research Assistant under Dr. Guo's lab- Biotronics & Synthetic Neurobiology

- Harvesting Rat Skeletal Cardiomyocytes by creating plate mediums
- Dissection/removal of embryonic rat limbs
- Using gelatin, laminin and fibronectin to provide coating for myocytes to attach
- Using the countess automated cell device to calculate cell density
- Staining myocytes with trypan blue, expressing GFP in myocytes

Valencia College Biology, Orlando, FL spring 2012-summer 2013
Undergraduate Research Assistant for Dr. Schumpert's Lab-Algae Bloom & Bat House Design

- Collected and analyzed different species of algae from Florida coastline
- Used salinometer to measure level of salinity in ocean water
- Brought a microscope to observe samples within a slide for qualitative purposes
- Filmed a video to show instructions for future student researchers
- Studied the behavioral patterns of bats in an artificial habitat

Laboratory Skills/Equipment from Volunteer/Lab Course Work

Centrifugation	Vacuum Filtration
Agarose Gel Electrophoresis	Gravity Filtration
DNA Isolation	Fractional Distillation

Polymerase Chain Reaction (PCR)
 Titration
 Spectrophotometer
 Gas Chromatography (GC)
 Infrared Spectroscopy (IR)
 Mass Spectrometer (MS)
 Flow Cytometry
 Anesthesia

Analytical Balance
 Mechanical Trituration
 Refractometer
 Salinometer
 Cell Culture
 Mammary Fat Pad Injection
 Cryostat
 RNA Extraction

Scholarly Presentations & Publications

- Gomez, D.** *Benefits of using Telemedicine in Viral Outbreaks.* Eastern Michigan University, Main Campus, April 2016.
- Gomez, D.,** Chávez, J. *Viral Hemorrhagic Fever (VHF's).* Institute for Simulation and Training, Partnership II, February, 2016.
- Gomez, D.** *How to Improve Chances of Medical School Acceptance.* Valencia College, West Campus, February, 2016.
- Gomez, D.** *Introduction to CRISPR Technology: Insertion of Foreign Genes into Neuronal Cells.* The Ohio State University, James Comprehensive Cancer Center, July, 2014.
- Gomez, D.** *The Valencia Bat House: using an interdisciplinary undergraduate research project to turn our campus into a living laboratory.* Valencia College West Campus Undergraduate Research Symposium, March, 2013.
- **Gomez, D.,** Ray, A., Reed, J., Schumpert, B. *The Valencia Bat House: using an interdisciplinary undergraduate research project to turn our campus into a living laboratory.* 3rd annual Florida Undergraduate Research Conference (FURC) Journal, University of Florida, Page 35, February, 2013.
- **Gomez, D.,** Ray, A., Reed, J., Schumpert, B. *The Valencia Bat House: using an interdisciplinary undergraduate research project to turn our campus into a living laboratory.* Florida Undergraduate Research Conference, University of Florida, February 23, 2013.

Editorial Board

Medical Textbook Reviewer, *Thieme Publisher*
Peer Reviewer, *Evolutionary Sciences (EVoS)*

April 2016-Present
 February 2016-Present

International Experience

Danish Institute for Study Abroad (DIS)
Study Abroad Program

summer 2014

- Completed a neuroscience internship
- Five day Study Tour to Brussels, Belgium; explored the differences in clinical psychology between the fields of academic training, psychological practice and psychology research.
- Visitation to the European Commission on mental health policy.
- Learned about different imaging techniques such as fMRI, MRI, PET, MEG and CAT to view the brain structurally and functionally.
- Brief visitation to the MR-department at Hvidovre Hospital to hear speakers talk about their research using MRI and fMRI.
- Learned about history and development of psychodynamic/psychoanalysis schools.
- Compared the DSM-V and ICD-10.
- Observed/Shadowed a neurologist and a podiatrist.
- Learned common Danish terms/phrases in order to communicate with locals.

Professional Activities

Latino Medical Student Association
Publications Chair

- Submitted article on why pre-medical Latino/as can be involved in volunteer trips

Que Pasa, OSU? Magazine

Article Author

- Publication: *From Kissimmee to MD-to-be*
- Message of article is to inspire similar students to pursue their goals

Arnold P. Gold Foundation

Contributing Blog Writer

- Publication: *8 Ways for Pre-med students can learn about humanism in medicine*
- An article based on how premedical students can partake in Humanism in Medicine

American Medical Student Association:

National Leadership

- Initiated a collaboration between medical school AMSA chapter
- Served to facilitate the House of Delegates to implement resolution into PPP/CBIA
- Developed a newsletter for PAMSA members at OSU and Columbus State College
- Invited speakers from medical schools to present to audience of pre-health students
- Chicago Training Ground and National Convention: Clinical skill shops (MVA, Suture)
- New Physician Magazine: Published feature articles on premedical experiences
 - Premedical Adviser, The Transfer: Jan-Feb 2015 Issue
 - Leadership Lessons and Community Perspectives: October 2015 Issue
 - Third pending article
- Kaplan/AMSA On-Call Blogger: Blog about pre-medical experience
- Pre-Medical region director: Assisting/guiding local AMSA chapter leaders

Christian Medical and Dental Association:

National Leadership/Blog Writer

- Undergraduate Leader: Assist members to participate in mission trips, aid in recruitment
- Submitted an article on volunteering Boston and relating it to the Christian Faith

Professional Memberships

American Academy of Neurology (AAN)	2016 - Present
Latino Medical Student Association (LMSA)	2015 - Present
Christian Medical and Dental Association (CMDA)	2014 - Present
American Medical Student Association (AMSA)	2012 - Present

Languages

Spanish (Fluent)

Skills/Certifications

Computer Skills: Adobe Certified Associate, Microsoft Office Specialist

Health Skills: Adult and Pediatric First Aid/CPR/AED for Lay Responders American Red Cross

EKG Technologist Certificate Ohio School of Phlebotomy

National Certified EKG Technologist National Health Association

Interests

Private Tutor (\$20/hr)

Traveling Abroad

Hiking/Biking

Blogger/Writer

Astronomy