

DION BANOIAN

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EDUCATION

JULY 2017 – JUNE 2022 **WAKE FOREST UNIVERSITY SCHOOL OF MEDICINE**
Doctor of Medicine

- Medical Education Certificate Program
- Ultrasound Certificate Program

SEP. 2014 – SEP. 2016 **UNIVERSITY OF CALIFORNIA, LOS ANGELES**
Bachelor of Science Degree – Ecology and Evolutionary Biology
(Departmental Highest Honors)

- GPA: 3.794
- Cum Laude and College Honors

JUNE 2011 – MAY 2014 **GLENDALE COMMUNITY COLLEGE**
Associate of Science Degree – Biology

- GPA: 3.820
- Scholar's Program
- President of the Events Committee

WORK HISTORY

JULY. 2022 – PRESENT **LOMA LINDA UNIVERSITY HEALTH**
Internal Medicine Resident

- Provided comprehensive medical care across diverse settings, including a private hospital, VA facilities, and a county hospital.
- Conducted thorough patient assessments, formulated accurate diagnoses, and developed individualized treatment plans based on patient needs and clinical evidence.
- Collaborated effectively with multidisciplinary teams, including nurses, specialists, therapists, social workers, and case managers to ensure coordinated and holistic care.
- Performed and assisted a wide range of medical procedures, including signing off on paracentesis and thoracentesis, and actively pursuing certification for intubations and line placements.

NOV. 2016 – JULY 2017 **PRN AMBULANCE**
Emergency Medical Technician

- Served as a front-line healthcare provider working in a variety of environments, including emergency response, patient transport between facilities, and ski patrol operations.

- Effectively managed the demands of emergency situations with a calm and efficient approach, maintaining composure in high-pressure environments.
- Demonstrated exceptional communication skills, providing clear and empathetic support to patients during high-stress and critical situations.

NOV. 2012 – SEP. 2014

24 HOUR FITNESS

Personal Trainer

- Designed and implemented innovative programs and incentives to enhance client adherence to fitness regimens and ensure accurate record-keeping.
- Developed close and personal relationships to ensure client success, loyalty, and retention.
- Collaborated effectively with team members to consistently achieve and surpass monthly financial targets.
- Earned Certified Personal Trainer, Fitness Nutrition Specialist, and Weight Loss Specialist certifications through the National Academy of Sports Medicine.

JUNE 2011 – JULY 2013

THE VITAMIN SHOPPE

Customer Service Representative

- Produced expert product knowledge of vitamins, minerals, herbs, sports nutrition, and all other supplements.
- Delivered exceptional customer service and satisfaction, adeptly managing the demands of a fast-paced environment.

RESEARCH

NOV. 2020 – JAN. 2021

PI: Dr. Barbara A. Pisani
Wake Forest School of Medicine
Role: Student Researcher and
Manuscript Preparation

CARDIOLOGY (JOURNAL OF HEART FAILURE)

Blocked at the Door: Benefits of Beta Blockers in Cardiogenic Shock

- Conducted a retrospective study involving 449 patients, carefully adjusting for variables including age, sex, race/ethnicity, and hypertension history.
- Tracked beta-blocker utilization during hospitalizations for acute decompensated heart failure patients requiring inotropic support, while also documenting key outcomes such as mortality rates, length of hospital stay, and troponin levels throughout the hospitalization.
- Observed higher mortality rates and longer lengths of stay for patients who did not have beta-blocker therapy continued.

MAR 2019 – DEC. 2019

PI: Dr. Simon Schenk
UC San Diego
Role: Student Researcher and
Manuscript Preparation

INTERNAL MEDICINE (JOURNAL OF ENDOCRINE SOCIETY)

p300 and CBP in skeletal muscle are required for normal whole-body glucose tolerance.

- Participated in The National Institute of Diabetes and Digestive and Kidney Diseases Summer Research Fellowship program.
- Conducted multiple projects to elucidate the importance of p300 and CBP, which are two acetyltransferases possibly linked to skeletal muscle force generating capacity.
- Measured skeletal muscle contractile function using innovative mouse models with temporally and specifically manipulated p300 and CBP acetyltransferase activity in skeletal muscle.

- Applied pharmacological inhibitors of p300/CBP to distinguish the acute, direct effects of p300 and CBP on protein acetylation relevant to muscle function and their indirect effects through gene transcription regulation.
- Produced numerous Western blot assays to evaluate glucose tolerance in muscles with specific gene knockouts and experimental manipulations.

FEB. 2015 – JULY 2017

PI: Dr. Mike M. Moradian
Role: Student Researcher and
Manuscript Preparation

POPULATION GENETICS (MOLECULAR GENETICS & GENOMIC MEDICINE)

Comprehensive analysis of mutations in the MEFV gene reveal that the location and not the substitution type determines symptom severity in FMF

- Analyzed mutations in the MEFV gene from symptomatic patients and employed statistical clustering methods to compare mutation frequencies across various populations using data from the 1000 Genome databases.
- Utilized hierarchical and K-means clustering algorithms to analyze frequencies of over 400 non-synonymous MEFV mutations.
- Identified 16 mutations that did not cluster with known disease-causing mutations.
- Discovered that the type of mutation (conservative vs. radical) is less likely to determine the severity of FMF symptoms when compared to the location of the mutation.

MAR. 2016 – MAY 2017

PI: Dr. Theodore F. Robles
UCLA
Role: Student Researcher

PSYCHOLOGY RESEARCH

- Studied how romantic couples communicate about uneasy subjects while wearing sensors that measure physiological arousal.
- Analyzed data from hundreds of couples to assess how key psychological factors influence physiological responses and overall well-being.

APRIL 2014

PI: Dr. Michael Harnett
Glendale Community College
Role: Student Researcher

OBESITY AND SOCIOLOGICAL RESEARCH

- Investigated why childhood obesity has been on a drastic surge over the last thirty years, including examinations of schools, outdoor recreational facilities, parent lifestyles, and societal demands.
- Studied previous methods utilized to combat obesity, especially emphasizing on how beneficial a tax on fast foods may be for childhood healthiness.

RESEARCH PRESENTATIONS

OCTOBER 2020

MEDICAL STUDENT RESEARCH DAY
Wake Forest School of Medicine

AUGUST 2019

NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES RESEARCH SYMPOSIUM
Vanderbilt University

APRIL 2014

HONORS TRANSFER COUNCIL OF CALIFORNIA
University of California, Irvine

HONORS/AWARDS

AUGUST 2020	WAKE FOREST BAPTIST HEALTH INTERNAL MEDICINE RESEARCH DAY Poster Competition; Second Place Award
OCTOBER 2020	WAKE FOREST SCHOOL OF MEDICINE MEDICAL STUDENT RESEARCH DAY Presentation Competition; Excellence Award
AUGUST 2019	NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES RESEARCH SYMPOSIUM Poster Competition; Third Place Award
JUNE 2017	WAKE FOREST MEDICAL SCHOLARS FUND SCHOLARSHIP RECIPIENT

LANGUAGES

FLUENT	ARMENIAN
INTERMEDIATE	PERSIAN (FARSI)
BEGINNER	SPANISH

VOLUNTEER EXPERIENCES

DELIVERING EQUAL ACCESS TO CARE CLINIC SUPERVISOR OCTOBER 2017 – JULY 2022	As a supervisor for the Patient Navigation Program, I was responsible for guiding four first year medical students to ensure that their patients receive the highest quality of care. I was responsible for managing both the medical and the socioeconomical needs of a total of 16 patients.
BIG BROTHERS BIG SISTERS OF GREATER LOS ANGELES BIG BROTHER JUNE 2014 – NOVEMBER 2016	One of the most rewarding experiences of my life was serving as a “Big Brother” to an 11-year-old boy who had suffered from multiple hardships in his life. Through our mutual love for basketball, we built a special bond, and I truly felt as though I made a huge positive impact on his life.
HOMENETMEN ARARAT HEAD COACH JULY 2010 – DECEMBER 2015	As the head coach of a 12-year-old boys’ basketball team, my role extended beyond managing the sport; it was crucial to be a positive role model for my players. I discovered that different players respond to various coaching styles in unique ways—some thrived on constructive criticism, while others flourished with consistent positive reinforcement. This experience taught me the importance of adapting my approach to meet each player’s individual needs.

INTERESTS

ATHLETICS	I have been fascinated by health and fitness for as long as I can remember. I stay active throughout the week, engaging in a variety of athletic pursuits such as weightlifting, basketball, football, martial arts, and swimming. Driven by my passion and a desire to lead by example as a personal trainer, I competed in the NPC Cal-State Championships physique competition in 2014.
SELF-GROWTH	I enjoy challenges. I constantly seek opportunities to push my limits and foster personal growth. Whether it’s developing new traits, acquiring unique skills, or expanding my knowledge, I embrace a wide range of

challenges. Past goals have included mastering the handstand, cooking a new meal each week, and hiking the Grand Canyon. Currently, my focus is on becoming fluent in Spanish.

CHESS

Chess can be described as an interest some days and an obsession on other days. I thoroughly enjoy the mental gymnastics that chess provides as I calculate dozens of variations throughout a single game only to find more than half superfluous. Unfortunately, I never know which half until the game is over!

FASHION

Fashion is a true passion of mine, with a particular love for preppy, sporty, and classic styles. I dream of creating a clothing brand that not only rivals the finest luxury labels in both aesthetics and quality but also provides stylish, high-quality garments at accessible prices.

OUTDOOR ACTIVITIES

This newfound passion has been a revelation for me. Having spent most of my time in the city, I was once indifferent to the outdoors. However, over the past few years, my perspective has shifted dramatically. I've developed a deep fascination with nature, finding joy in skiing, kayaking, hiking, and simply unwinding in the great outdoors. The only thing missing now is a Jeep Wrangler!