

TRYFON GERASIMOS THEOPHILOPOULOS

OMS-III | D.O. Class of 2028 | Florida
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Curriculum Vitae | Updated October 19, 2026

EDUCATION

Burrell College of Health Sciences, School of Osteopathic Medicine | Melbourne, FL | Jul 2024-present

Doctor of Osteopathic Medicine, Class of 2028. Honors Distinction in Principles of Clinical Practice, Apr 2025.

Florida State University | Tallahassee, FL | Aug 2019-May 2023

B.S. Biological Sciences and B.S. Psychology; Chemistry minor. GPA 3.756; magna cum laude; University Honors and Honors in the Major.

Palm Harbor University High School | Palm Harbor, FL | Aug 2014-May 2019

International Baccalaureate Diploma.

RESEARCH EXPERIENCE

Research Collaborator - Parkinson's Program Mobility Outcomes Study

Burrell School of Osteopathic Medicine | Oct 2025-present

Multi-campus collaboration evaluating standard and dual-task mobility in Rock Steady Boxing participants. Contribute to poster and manuscript preparation.

Graduate Researcher - Bashur Lab | Florida Institute of Technology | May-Jul 2025

Investigated epsin-mimetic peptide delivery in electrospun tissue-engineered vascular grafts. Performed cell culture, peptide-release and endothelial-migration assays, and microvascular rat aorta surgery training/assistance.

Undergraduate Researcher - Institute of Molecular Biophysics

Florida State University | Sep 2019-May 2023

Characterized DENV-NS2B3 protease cleavage of human and mouse cGAS; authored an Honors in the Major thesis and presented at the 2020 FSU Undergraduate Research Symposium.

MANUSCRIPTS IN PROGRESS

The following projects are in progress and are not published.

Mycobacterium avium complex (MAC) Case Series Study. Manuscript in progress; working project title.

Not Everything That Deposits Is Amyloid: Fibrillary Glomerulonephritis Amid a Multisystem Diagnostic Mystery. Vilchez G, Ramirez O, Theophilopoulos T. Case report; manuscript in progress.

When the Criteria Fail the Patient: Reclaiming the Internist as Diagnostician in Atypical IgG4-Related Lung Disease. Vilchez G, Ramirez O, Theophilopoulos T. Case report; manuscript in progress.

POSTER PRESENTATIONS & THESIS

2026 | Rock Steady Boxing

Velasquez MJ, Theophilopoulos T, Cabrera C, Mukhopadhyay E, McBee L, Tchao G, Harb N, Peleg J, Dixit N. *Six-Week Changes in Mobility and Dual-Task Performance in Rock Steady Boxing Participants With Parkinson's Disease*. Poster presented at 2026 Medical Student Research Day, Burrell College of Health Sciences. Mentor: Bob Coni, DO, EdS, FAAN.

2025 | Vascular graft research

Mukhopadhyay E, Goodarzinia F, Jaspersen R, Theophilopoulos T. *Epsin Mimetic Peptide*. Poster presented at Burrell Student Research Day; Sep 9, 2025; Melbourne, FL. Research mentor: Christopher Bashur, PhD.

2023 | Honors thesis

Theophilopoulos TG. *DENV-Protease Cleavage of cGAS*. Honors in the Major thesis, Florida State University; 2023. Published in the DigiNole Repository.

2020 | Undergraduate research presentation

Bhattacharya M, Theophilopoulos TG, Yin Q. *Reconstituting mouse cGAS-DENV NS2B3pro interaction in vitro*. FSU Undergraduate Research Symposium; 2020; Tallahassee, FL.

LEADERSHIP & SERVICE

Founder - Beach Medicine Club | Burrell | Apr 2025-present

Founding president, Apr 2025-Mar 2026; transitioned leadership to incoming first-year officers. Promoted water safety, beach stewardship, mental health, and Stop the Bleed training. Organized a beginner surf lesson on Aug 10, 2025; represented the club at the Oct 15, 2025 club fair.

Treasurer - Physical Medicine & Rehabilitation Club | Burrell | Jan 2025-Mar 2026

Managed club funds and supported speaker scheduling and inter-club events.

Big-Little Mentorship Program Mentor | Burrell | Aug 2025-present

Mentor two first-year medical students through academic guidance, wellness support, and advice on adapting to medical school.

Co-author - Class of 2028 Honor Code | Burrell | Oct 2024

Student Advisory Board | FSU Center for Undergraduate Research | 2021-2022

CLINICAL EXPERIENCE & SHADOWING

Infectious Disease Rotation | Gabriel Vilchez, MD, and Oriana Ramirez, MD | 2026; four weeks

Orlando Health Melbourne Regional Hospital; Health First Holmes Regional Hospital; Bluegrass ID Associates Clinic.

General Surgery Rotation | Mohamad Hammoud, MD | Health First Palm Bay Hospital | 2026; four weeks

Obstetrics & Gynecology Rotation | Jennifer Escobar Diaz, MD | Hibiscus / Health First Holmes Regional Medical Center | 2026; four weeks

Hand surgery: Brian Williams, DO (124 hours). Orthopedics: Scott Brotherton, MD (30 hours), Brian Maiocco, MD (21 hours), Taylor Beatty, DO (6 hours). General surgery: Alan Graves, MD (16 hours), Christopher James, MD (2 hours). Sports medicine: Brandon Taylor, MD (8 hours).

VOLUNTEERING

Volunteer Coach - Rock Steady Boxing | Melbourne, FL | Jan 2025-Mar 2026 | 50+ hours

Assisted exercise sessions for individuals with Parkinson's disease, emphasizing movement, encouragement, safety, and community support. Helped support a pickleball fundraiser on Apr 6, 2025.

Front-Desk Volunteer - Florida Hospital North Pinellas | Tarpon Springs, FL | 2018-2019 | 100+ hours

Clinic Volunteer - Orthopedic Specialists | Palm Harbor, FL | 2020-2022

TEACHING & MENTORING

Substitute High School Teacher | Pasco County Schools, FL | Jan-May 2024

Managed classrooms and delivered instruction across grades 9-12, maintaining continuity of learning during teacher absences.

Learning Assistant - Eukaryotic Diversity (BSC 3016) | FSU | Jan-May 2022

Learning Assistant - General Biochemistry I (BCH 4053) | FSU | Aug-Dec 2021

HONORS & AWARDS

Honors Distinction, Principles of Clinical Practice, Burrell (Apr 2025).

Dual Honors Graduate and magna cum laude, FSU (2023).

Dean's List, FSU (multiple semesters, 2019-2023).

University Freshman Scholarship, FSU (2019-2023).

Undergraduate Research Opportunity Program participant, FSU (2019-2020).

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

COMLEX-USA Level 1 - Passed.

Advanced Cardiovascular Life Support (ACLS) Provider, American Heart Association (Jul 2026).

Basic Life Support (BLS) Provider, American Heart Association (Jul 2026).

Dine With Our Docs, Health First - Attendee (Apr 23, 2026).

ACADEMIC PROJECTS & TECHNICAL SKILLS

Student Contributor - Digital Egyptian Gazette | FSU | Aug-Dec 2019

Produced 50,204 lines of XML markup encoding historical newspaper articles and medical terminology for the online Gazette database.

Cell culture; electrospinning; fibrin scaffold fabrication; protein purification (Ni-NTA, ion-exchange, SEC); SDS-PAGE; Western blot; rodent microvascular surgery anesthesia and preparation. Literature review, database searching, spreadsheet-based data analysis, and data visualization. PC building, hardware troubleshooting, and phone, tablet, and computer repair.

EXTRACURRICULAR ACTIVITIES & INTERESTS

Dota 2 - Immortal rank. Competitive gaming achievement.

Intramural flag football, Burrell (Jan-Mar 2025; Jan-Mar 2026).

Traveling to new places, surfing, cycling, photography, college football, and PC building.