

Vignesh Senthilkumar

EDUCATION

University of Virginia School of Medicine

Medical Scientist Training Program; G2
Taylor Laboratory

Charlottesville, VA

2023 - Present

University of California, Los Angeles

Bachelor of Science in Microbiology, Immunology, and Molecular Genetics
Minor in History

Los Angeles, CA

2018 - 2022

Summa Cum Laude; Departmental Commencement Speaker

- **Departmental Thesis:** "Functional immune cell profiling using single-cell secretion capture and sequencing."
- **Thesis Advisor:** Dr. Timothy E. O'Sullivan

ORGANIZED MEDICINE

American Medical Association

August 2023 - Present

MSS Reference Committee co-Chair (A-26)

April 2026 - Present

- Coordinated efforts to review resolutions following feedback from committees, leadership, individuals, and staff to recommend appropriate action on each resolution submitted for consideration at AMA-MSS Annual

House of Delegates Reference Committee E Co-Lead (A-26)

April 2026 - Present

- Coordinating MSS during the HOD with a specific focus on reviewing resolutions assigned to RefCom E
- Writing and coordinating testimony, and working in conjunction with section delegates

Region 6 Policy Chair

July 2025 - Present

- Coordinating Region 6 participation in the AMA Medical Student Section (MSS) policy cycle.
- Supported resolution authors through submission, review, and refinement processes through individual communication and hosting policy office hours.
- Led resolution writing, advocacy, and resolution review workshops throughout the policy process.

MSS Region 6 HOD Alternate Delegate

November 2025 - Present

- Serve as a member of the MSS Region 6 delegation to the AMA House of Delegates.

Committee on Science and Technology

January 2024 - Present

Director of Programming and Education

July 2025 - Present

- Conducting CST reviews and providing VRC testimony for proposed resolutions presented by the AMA Medical Student Section.
- Collaborating with committee members to write and publish op-eds, AMA resources, and academic reviews.
- Developed I-25 programming regarding AMA advocacy efforts with federal regulatory agencies such as the FDA and the CDC

Resolutions Task Force

August 2025 - Present

- Co-Lead of the report writing team.
- Working to review and recommend potential updates to the AMA-MSS policy process, including changes to internal operating procedures and existing policy.

Legislative and Policy Co-Chair, University of Virginia SOM AMA Chapter

September 2023 - December 2024

Awards

MSS National Policy Impact Award

Interim Meeting 2025

Past Positions:

Subcommittee Co-Chair - Current Events and Education, AMA-MSS Committee on Scientific Issues	2024-25
Reference Committee, 2025 Interim Meeting	2025
Reference Committee, 2025 Annual Meeting	2025
Rules Committee, 2024 Interim Meeting	2024

Resolutions:

American Medical Association – Medical Student Section

1. Evaluating Situational Judgment Tests in Medical School Admissions; Adopted; I-25
2. Public Emergency Alert Reporting Requirements on Private Platforms; Referred for Study; I-25
 - a. Report released; A-26
3. Improving the External Appeals Process for Denied Claims; Pending; A-26
4. Supporting “Right to Repair” for Hospital Equipment and Durable Medical Equipment; Pending; A-26
5. Affirming Support for the National Institutes of Health Advisory Councils; Pending; A-26

American Medical Association

1. ACA Subsidies for Undocumented Immigrants; Adopted; I-24

Medical Society of Virginia

August 2023 - Present

MSV Board of Directors

October 2025 – Present

- Elected by the medical student section to represent their voices on the Medical Society of Virginia board of directors and to help set the advocacy direction for the MSV.
- Worked to reduce medical student membership fees by 50%.
- Testified at the Virginia state legislature on behalf of the MSV.

MSV Advocacy Committee

March 2025 – Present

- Representing the Medical Student Section on the advocacy committee and working with physicians and MSV advocacy staff to advance medical student priorities.
- Met with state lawmakers and testified at the Virginia General Assembly on items of priority for medical students.

Legislative Vice Chair – Medical Student Section

August 2024 – August 2025

- Developed a combined legislative resource for the MSV student section detailing resolution writing and the Virginia legislative process.
- Help lead medical student section endorsements and testimony for proposed legislation at the Medical Society of Virginia Annual Meeting.
- Worked with delegates from across the state to whip votes for medical student resolutions.
- Led the first Medical Student Caucus meeting at the MSV Annual Meeting in 2024.

American Society of Tropical Medicine and Hygiene

August 2024 – Present

Trainee Membership Committee

March 2025 – Present

- Working to improve mentorship and networking opportunities for trainees through the ASTMH.

American Physician Scientist Association | UVA SOM

November 2023 – Present

Scientific Committee

- Plan and host the Todorovic Annual Lectures on behalf of the University of Virginia Medical Scientist Training Program.
- Featured speakers

- 2025: Dr. Luke Gilbert, UCSF
- 2024: Dr. Harmit Malik, Fred Hutch Cancer Center
- 2023: Dr. Erika Holzbauer, University of Pennsylvania

POLICY, ADVOCACY, AND MENTORSHIP

Summer Medical Leadership Program

Summer 2025, Summer 2026

- Served as a medical student mentor for a small group of pre-med students across the country during their stay at UVA.
- Held 1-on-1 meetings to aid students in career development and optimizing their path to medical school.
- Created workshops on different aspects of the medical school application process (e.g. research, AMCAS, personal statement writing, MCAT prep).

Infectious Disease Interest Group | University of Virginia School of Medicine

December 2024 – Present

President and Co-Founder

- Established the Infectious Disease Interest Group at the UVA School of Medicine.
- Partnering with the clinical infectious disease department to offer research, shadowing, and mentorship opportunities.
- Organized a quarterly infectious disease book club to discuss the intersection of infectious disease and society, featuring guest speakers from across UVA.

North Westwood Neighborhood Council | Westwood, Los Angeles, CA

May 2021 – July 2023

Councilmember

- Elected to represent constituents in Westwood, California, including UCLA and Westwood Village students.
- Served on the Homelessness and Community Health Committee.
- Collaborated with the county and local non-profits to organize the annual 'Westwood Connect Day,' providing resources for the local unhoused community.
- Submitted community interest statements advocating for the rights of Westwood's unhoused populations, pedestrians, and renters.
- Worked with the Los Angeles City Council on local issues such as housing, parking, and street usage.

UCLA Learning Assistant Program | UCLA

September 2020 – June 2022

Pedagogy Head Learning Assistant

- Served as a Learning Assistant and Pedagogy Head for Life Sciences 7C: Anatomy and Physiology.
- Empowered students through inclusive STEM instruction by facilitating interactive and collaborative learning.
- Explained human anatomy and physiology using pedagogical techniques, such as redirecting questions and checking for understanding with open-ended questions.
- Enhanced teaching and communication skills through weekly reflections, seminars, and feedback from students and instructors.
- Developed strategies to improve diversity in STEM and address the needs of underrepresented and disadvantaged students in the sciences.
- Collaborated with a Pedagogy Head Learning Assistants team to plan and lead content meetings, preparing fellow Anatomy and Physiology LAs for the upcoming week.

Colin Allred for Congress | Dallas, TX

August 2020 – November 2020

Campaign Fellow

- Canvassed in TX-32, highlighting Congressman Allred's healthcare policies during the pandemic, including the development of the Garland VA Medical Center.
- Participated in volunteer phone banks, reaching over 1,000 constituents in Dallas.
- Engaged with a diverse range of individuals across all ages, genders, ethnicities, and political backgrounds, fostering meaningful conversations with more than 1,000 people.