

AMA Medical Student Section Governing Council Nomination / Application Form

Nominees / applicants must be current AMA members and, if elected, must maintain AMA membership through the term of service.

Part 1: Nominee / Applicant Information

Raag

First Name

Los Angeles

City

Date of Birth (MM/DD/YYYY)

Email Address

UCLA

Medical School

06/2027

Medical School Graduation /
Expected Graduation Date (MM/YYYY)

Agrawal

Last Name

90024

Zip Code

Position Nominated / Applying for:

- ☒ Vice Chair
- ☐ Speaker
- ☐ Vice Speaker
- ☐ Delegate
- ☐ Alternate Delegate
- ☐ At-Large Officer
- ☐ Diversity, Equity, and Inclusion (DEI) Officer

Part 2: Nominator Information

Self-nominations are accepted. Complete this part of the form only if the candidate has been nominated for this position by an eligible nominator.

Raag Agrawal

Nominated by:

agrawalraag@gmail.com

Email Address of Individual Responsible for Nomination:

Nominee has agreed to serve:

☐ Yes

☐ No

Nominator's Narrative Statement

(Max 250 Words)

Part 3: Supporting Information

Current professional position and responsibilities, including faculty appointments

American Physician Scientists Association - Mentor
Exponents Magazine Contributor

Current and previous AMA leadership positions

Region 1 Policy Chair
Region 1 Delegate
Ref Com G team co-lead
Former UCLA Delegate
Former UCLA Alt Delegate
CHIT Committee Member

Other relevant current and previous leadership positions (e.g., state/specialty medical society, healthcare organization, etc.)

Former CMA Delegate

Statement of interest

(Max 250 Words)

I am proud of have grown up in diverse neighborhoods in New York, and I am committed to protecting this diversity. My motivation was sharpened by my work for the Brooklyn Health Disparities Center, a non-profit alleviating health inequity. I worked directly with the largely Black-Caribbean immigrant community on educational outreach for cancer screenings. There I also led research on racial mortality disparities in female genital carcinosarcomas. Most importantly, I met Diane, a local resident and cancer survivor, who taught me how communities like hers are systematically discriminated against and deprived of healthcare resources. Her words, and my own experiences, have motivated me to become a research and policy advocate for healthcare in minority communities.

With the onset of COVID-19, I have been working closely with a team of researchers at SUNY Downstate to quantify racial mortality disparities in Brooklyn, and to examine efficacy of a variety of medical interventions. My personal interest in healthcare policy has led me to become a healthcare contributor to Exponents Magazine, a publication of the Progressive Policy Institute in Washington, DC where I have written about policies, such as training more Black physicians, that will help close the racial health gap. I am currently the Region 1 Policy Chair and Region 1 Delegate, and am pursuing an MD-PhD with a focus on the genetics of cancer in immigrant populations.

As a member of the MSS Governing Council, I hope to represent minority communities and push for the reforms that will benefit them – bringing my background in activism and research, which allow me to speak on these issues in an authentic and informed way. I want to deeply engage the MSS to be major force for good in the national fight for racial justice in healthcare.

Part 4: Additional Requirements

A. Curriculum Vitae

Submit a current curriculum vitae (no more than two pages) to mss@ama-assn.org.

B. Electronic Professional Headshot

Submit an electronic professional headshot (JPG or PNG) to mss@ama-assn.org.

C. Endorsements and Letters of Support (optional)

Nominees / applicants have the option to submit letters of support as follows:

- One letter of support from your medical school dean or dean's representative
- One letter of support from the state medical society in the state in which you attend medical school

Additional letters of support will not be accepted. Submit letters of support via email to mss@ama-assn.org.

D. Dean's Signature

You must demonstrate that you have discussed the time commitment associated with service on the Governing Council and made appropriate arrangements with your dean or advisor by signing, and having your dean or advisor sign, the "Acknowledgment of Time Commitment and Confirmation of Good Standing" document on the next page.

E. Notification of Dean

In the case of my election, I would like my dean to receive a congratulatory letter, informing them of my election.

☒ Yes

☐ No

If yes, please provide your dean's name, mailing address, and email address below:

Dr. David Dawson
ddawson@mednet.ucla.edu

F. Acknowledgment of MSS IOPs and Speakers' Ruling

I affirm that I have read the AMA MSS Internal Operating Procedures (IOPs) sections relevant to campaigning and the Speakers' Rulings for this election cycle and agree to abide by the rules and recommendations contained within those documents.

Candidate's Initials: RA

Acknowledgment of Time Commitment and Confirmation of Good Standing

Medical students elected to the AMA Medical Student Section (MSS) Governing Council should be available to attend the following events:

- MSS Governing Council Virtual Retreat and Orientation
June 2022, exact dates / times TBD
- AMA Section Leadership Retreat (Chicago, IL)
One weekend in August 2022
- MSS Interim Meeting (Honolulu, HI)
November 10-12, 2022
(Delegate and Alternate Delegate must be available November 10-15, 2022)
- MSS Physicians of the Future Summit meetings (Various Locations)
One or two weekends during January / February 2023
- AMA Medical Student Advocacy Conference (Washington, DC)
Two days during March 2023
- MSS Annual Meeting (Chicago, IL)
June 8-10, 2023
(Delegate and Alternate Delegate must be available June 8-14, 2023)

Please acknowledge that you have discussed this time commitment and made appropriate arrangements with your dean, clinical preceptor, or other supervisor (for students who will be on an approved leave of absence or in a different degree program during the term of office) by signing below. The signature of your dean or advisor is required to: (1) acknowledge the time commitment involved in a Governing Council position; and (2) verify that you are a student in good standing with your medical school.

Raag Agrawal

Candidate Signature

Medical School Dean or Advisor Signature

Part 6: AMA Conflict of Interest Policy

Please review carefully the [AMA's Conflict of Interest Policy](#).

All nominees / applicants for Section leadership positions must complete a conflict of interest disclosure. Upon the AMA's receipt of your nomination / application, an email with details on how to access the disclosure form will be sent. Your nomination materials will not be considered complete until your disclosure form has been completed and returned.

If you are seeking nomination / appointment to a leadership position in another organization, please also review carefully that organization's conflict of interest policy to determine that you will be able to comply. Please also familiarize yourself with the other organization's requirements / instructions for completion of any disclosure form.

If you have questions about the AMA's Conflict of Interest Policy, the AMA's Office of General Counsel (ogc@ama-assn.org) is available to provide guidance.

Please confirm, by signing below, that you have reviewed the AMA's [Conflict of Interest Policy](#) and [Conflict of Interest Principles](#) and understand the guidance provided above.

Raag Agrawal

Signature

06/09/2022

Date (MM/DD/YYYY)

Submission Instructions

Direct questions and submit application materials to mss@ama-assn.org.

Submission Checklist:

- This completed application, with your signature and initials
- Curriculum vitae (No more than two pages.)
- Electronic professional headshot (JPG or PNG)
- Letters of support (Optional)
- Acknowledgment of Time Commitment and Confirmation of Good Standing, signed by your medical school dean or advisor

The deadline to submit this application and all related materials is **May 6, 2022 at 1:59 a.m. (Central Daylight Time)**.

Raag Agrawal

EDUCATION:

UCLA-Caltech Medical Scientist Training Program , Los Angeles, CA MD-PhD Candidate	2020 - 2028
Columbia University , Columbia College, New York, NY I.I. Rabi Scholar, <i>Major in Biology, Minor in Statistics</i> GPA: 3.88 - Dean's List, Honors in Biology	2016 - 2020
University of Cambridge , Clare College, United Kingdom Columbia Oxbridge Scholars Fellowship <i>Part II: Biology and Biomedical Sciences; Genetics & Human, Social, and Political Science</i>	2018 - 2019

AWARDS

Columbia Innovation and Enhancement Prize	2020
George William Curtis Speech Prize , top speech prize in the University	2020
Columbia College Oxbridge Scholars Fellowship	2018
Columbia University , I. I. Rabi Scholar (~Top 12 Columbia incoming science students)	2016 - 2020
Columbia Summer Undergraduate Research Fellowship	2017, 2018, 2019
The Society for <i>in vitro</i> Biology , Special Award for Creativity and Work in In-Vitro Biology	2015
SUNY Downstate Medical Center , Michael C. Register - Research Award and Grant	2014

EXTRACURRICULARS

AMA-MSS Region 1 Policy Chair	2021-Present
California Medical Association Alternative Delegate to the American Medical Association	2020-Present
American Physician Scientists Association, Mentor	2020-Present
UCLA Delegate to the American Medical Association	2020-Present
UCLA-Caltech MSTP Admissions Committee	2020-Present
Exponents Magazine, Contributor	2020-Present
Columbia Undergraduate Recruitment Committee , Science Division, Leader	2016-2020
Clare College Politics Club, Cambridge University, UK	2018-2019
Clare College, Cambridge University, UK Rowing Team	2018-2019
Columbia Junior Science Journal , President	2017-2018
Columbia Model Congress , Founder and Board Member, <i>President 2018</i>	2016-2020
Columbia Daily Spectator , Staff writer	2016-2018

EXPERIENCE

Research Assistant, **Columbia College**, NY, October 2016-May 2020, Mentor: Dr. Harmen Bussemaker PhD. Department of Biology. I developed a computational model to quantify transcription factor activity through gene regulatory mechanisms by integrating ChIP-seq and RNA-seq data using the languages R and Python. I superimposed single cell data with cell morphology to study cell heterogeneity in tissues.

Research Assistant, **Wellcome Sanger Institute, Cambridgeshire, UK**, January -August, 2019: Mentor: Dr. Sarah Teichmann FMedSci. Head of Cellular Genetics. I was selected to join Dr. Teichmann's lab as one of the few undergraduate accepted. I used *single-cell* RNA-sequencing as a part of the flagship Human Cell Atlas, an international collaboration.

Business Associate: **COTA**, New York, NY, June - September 2018. I built analytics tools to digitize electronic medical records for the clinical data team using Excel and R in this Healthcare startup based in Manhattan.

Clinical Volunteering **Weill Cornell Medical Center**, NY, June - September 2018. I helped healthcare professionals care for patients as a liaison between the patients and the nursing staff, communicating and advocating for the needs of the patients.

Research Assistant, **Columbia College**, NY, November 2016-2018, Mentor: Dr. Charles Hailey PhD. Department of Physics. I was part of GAPS team, an international project working to identify dark matter through deploying detectors in the Antarctic in 2020.

Research Assistant, **Memorial Sloan Kettering Cancer Center**, New York, NY, June – August, 2015, Mentor: Ahmet Dogan MD, PhD. Department of Hematopathology. I imaged and prepared computational data to develop new digital tools for automated diagnosis.

Community Activist and Intern, **Brooklyn Health Disparities Center**, Brooklyn, N Y June - August 2016. I conducted community activism in the majority-minority community of East Flatbush, Brooklyn, where I worked to restore the community's trust in healthcare professionals and alleviate health disparities. I also created new public health research documenting the severity of health disparities in New York City, which I presented at the *National Medical Association Annual Meeting*, 2017, in Philadelphia.

Research Assistant, **State University of New York (SUNY) Downstate Medical Center**, Brooklyn, NY, June – September, 2013-2019. Mentor: Haseeb Siddiqi, PhD. Department of Medicine. I have done multiple studies and have ongoing research with this group. Notably: I studied a new targeted treatment for pancreatic cancer in combination with irradiation. The project won first place at the *New York City Science and Engineering Fair* and was a Semi-Finalist at the *Intel Science Fair*. It won a special award for *In-vitro* biology, and is currently under publication. I also studied the pathogenesis of Schistosomiasis infection in mice, which I presented at the *College of Pathologists Annual Meeting*, CAP'13, in Florida and published in *Acta Parasitologica*.

DISSERTATION

Prospects for Big Data in Oncology. Perspectives on Implementation in Differing Healthcare Systems. 2019. Advisor: Sudhakaran Prabakaran, Ph.D. Cambridge University, UK. (Received First Class Distinction)

PUBLICATIONS

Gupta, R., **Agrawal, R.**, Bukhari, Z., Jabbar, A., Wang, D., Diks, J., Alshal, M., Emechebe, DY., Brunicardi, FC., Lazar, JM., Chamberlain, R., Burza, A., Haseeb., MA. Higher Comorbidities and Early Death is Characteristic of Hospitalized African-American Patients with COVID-19. medRxiv 2020.07.15.20154906; doi: <https://doi.org/10.1101/2020.07.15.20154906>

Agrawal, R., Prabakaran, S. Big data in digital healthcare: lessons learnt and recommendations for general practice. *Heredity* (2020). <https://doi.org/10.1038/s41437-020-0303-2>

Agrawal, R., Chen, M., Ogunwobi, OO., Bukhari, Z., MA. Haseeb., Martello, LA., EZH2 downregulation augments the effect of irradiation in reducing pancreatic tumor cell proliferation in vitro. *Annals of Pathology and Laboratory Medicine*, 2020 January/February. *In Press*

Xia, R., Boroujeni, AM., Shea, S., Pan, Y., **Agrawal, R.**, Yousefi, E., Fiel, MI., M.A. Haseeb., Gupta, R. Diagnosis of Liver Neoplasms by Computational and Statistical Image Analysis. *Gastroenterology Research*. 2019 August. PMID: 31803308 PMCID: PMC6879028 DOI: 10.14740/gr1210

Haseeb, MA., **Agrawal, R.**, Fried, B. Reduced [14C]-methionine uptake and fecundity in *Schistosoma mansoni* females treated with recombinant tumor necrosis factor α in vitro. *Acta Parasitologica*, 2017 Mar 1;62(1):164-170. doi: 10.1515/ap-2017-0019.

POSTERS

Sidhu, GI., Deutsch, E., **Agrawal, R.**, Chamberlain, RF., Wlody, D., Gupta, R., Burza, A. Ventilatory Ratio with Prone Positioning in COVID – 19 ARDS Patients, a New Tool for an Old Strategy. 2021 Virtual Critical Care Congress, October 23, 2020.

Mendoza R, Gabutan E, Haidary T, Alawad M, **Agrawal R**, Haseeb MA., Gupta R. African-American Women with Cervical Cancer have a Predominance of Non-Vaccine Targeted HPV Type 35 which is Associated with Their Poor Survival. 109th Annual Meeting of *United States & Canadian Academy of Pathology*, March, 2020. Los Angeles CA.

Wang, D., Alawad. M., **Agrawal, R.**, Haseeb, MA., Gupta, R. African Americans have Increased Tumor Budding in Colorectal Carcinoma - A Predictor of Poor Prognosis. 109th Annual Meeting of *United States & Canadian Academy of Pathology*, March, 2020. Los Angeles CA.

Wang, D., Alawad, M., **Agrawal, R.**, Haseeb, M.A., Gupta, R. KRAS Mutation, But Not Mismatch Repair Deficiency, Occurs with Increased Frequency in African American Patients with Colorectal Cancer and Predicts Poor Disease-Free Survival. 107th Annual Meeting of *United States & Canadian Academy of Pathology*, March, 2019. Maryland.

Mendoza, RP., Zhou, YY., **Agrawal, R.**, Gabutan, E., Haidary, T., Lee, W, Lee, Y, Gupta, R. PD-L1, PD-1 Expression and DNA Mismatch Repair Genes in Cervical Squamous Cell Carcinoma, and Their Prognostic Significance. 107th Annual Meeting of *United States & Canadian Academy of Pathology*, March, 2019. Maryland.

Agrawal, R., HJ Bussemaker, Inferring Gene and Transcription Factor Regulatory Mechanisms through Differential Gene Expression Analysis, *Summer Undergraduate Research Symposium at Columbia University* 2017, New York, NY.

Agrawal, R., Higher Incidence of Genital Carcinosarcoma (MMMT) in African American Females in New York City. *National Medical Association Annual Meeting* 2017, Philadelphia, PA.

Gupta, R., **Agrawal, R.**, Martello, LM., Haseeb, MA. Synergistic effects of EZH2 knockdown and irradiation against pancreatic cancer cells. *United States & Canadian Academy of Pathology*, 104th Annual Meeting, March, 2015. Boston, MA.

Qin, J., **Agrawal, R.**, Martello, LM., Gupta, R. Enhancer of Zeste homolog 2 (EZH2) expression and proliferation index (Ki-67) in neuroendocrine tumors of gastrointestinal tract and pancreas. *American Association of Cancer Research, Annual Meeting*, 2015. Philadelphia, PA.

Gupta, R., **Agrawal, R.**, Haseeb, MA. Myeloid-Related Protein (MRP-18 and MRP-14) expressing cells in hepatic circumoval granulomata in murine Schistosomiasis. *Archives of Pathology and Laboratory Medicine*, 2013; 137:10: 1514.

OTHER INTERESTS

Squash (Nationals 2014, 2015, 2016), Trivia, Podcasts, Healthcare Policy, Data Science enthusiast, Coffee, Dance, Crew

