

## Curriculum Vita

Avery August, PhD  
Department of Microbiology & Immunology  
Cornell University

### Academic Administration

Cornell University

**Deputy Provost and Special Advisor to the President (current)**  
**Vice Provost for Academic Affairs (past)**  
**Founding Co-Director (past)**, Cornell Center for Health Equity  
**Department Chair (past)**, Department of Microbiology & Immunology

The Pennsylvania State University

**Director (past)**, Center for Molecular Immunology & Infectious Disease.  
**Co-Director (past)**, Molecular Medicine Graduate Program.

### Academic Appointments

Cornell University (current)

**Professor** (tenured), Department of Microbiology and Immunology

The Pennsylvania State University (past)

**Assistant, Associate, Professor, Distinguished Professor** (tenured),  
Department of Veterinary & Biomedical Sciences

The Rockefeller University (past)

**Post-doctoral Fellow**, Laboratory of Molecular Oncology

### International Experience

American Society for Microbiology (ASM)/Indo-US Science and Technology Forum  
(IUSSTF) Indo-US Professorship in Microbiology

Organized/Co-Organized workshops at the University of Hyderabad in India supported  
by the Indian government's Global Initiative for Academic Networks (GIAN)

Member, Advisory Boards, Federation of Asian Biotech Associations (FABA) (India);  
National Institute for Animal Biotechnology (India); Sena Institute for Technology (SIT)  
(Ghana)

### Education

Ph.D., Immunology, Cornell University, Weill Cornell Graduate School of Medical  
Sciences, NY, NY

M.S. Program (no degree), Chemistry & Biochemistry, California State University, Los  
Angeles, CA.

B.S., Medical Technology, California State University, Los Angeles, CA.  
Biology studies (no degree), Los Angeles Community College.

**Administrative Positions and Accomplishments**

**Deputy Provost, Reporting to the Provost. 2022- present.**

**Vice Provost for Academic Affairs, Reporting to the Provost. 2018-2022.**

**Special Advisor to the President, Member of the president's cabinet reporting to the President. 2025-present.**

**Presidential Advisor on Diversity and Equity, Reporting to the President. 2018-present.**

**Founding Co-Director, Cornell Center for Health Equity, Reporting to the Provost, 2017-2020.**

**Department Chair, Department of Microbiology & Immunology, College of Veterinary Medicine, Reporting to the Dean, 2010-2017**

**Other select administrative accomplishments:**

- *At Cornell, led the development and funding for the interdisciplinary Immuno-Engineering graduate training program- Garnered ~\$1 million in funding from the NIH to support pre-doctoral students in engineering and immunology broad training in Immuno-engineering.*
- *At Cornell, developed and won funding for the interdisciplinary all Ithaca campus graduate support program Cornell Initiative for Maximizing Student Development- Garnered ~\$2.4 million in funding from the NIH to support broad of pre-doctoral students underrepresented in the biomedical and biological sciences, including Deaf/Hard of Hearing.*
- *At Cornell, awarded funding from the Howard Hughes Medical Institute (HHMI) as a HHMI Professor to develop and support community college transfer students to Cornell in research experiences- \$1 million program that supported research and ~40 students in research and academic support. Led to development of more robust processes for supporting research experiences for community college transfer students at Cornell. Program transitioned to new undergraduate program, PAVER (Pathways to Access Veterinary Education and Research).*
- *At Cornell, part of a team that led the Cornell Sloan University Center Excellence in Mentoring – ~\$2.4 million grant from the Sloan Foundation to support and mentor pre-doctoral students underrepresented in STEM.*
- *At Cornell, led the Cornell University Broadening Experiences in Scientific Training (BEST) program- Led a ~\$1.9 million grant from the NIH to develop and support broad career exposure of biological science graduate students and postdoc. The success of this program led to it being institutionalized into the “Careers Beyond the Academy” office in the graduate school.*
- *At Penn State, developed and won funding for the cross institutional Alcorn State University: Penn State University Bridges to the Doctorate Program- Garnered ~\$2 million in funding from the NIH to support ~10 master's students at Alcorn State University, a HBCU, and transition them onto PhD program. Graduates of the program have become faculty at Alcorn, Penn State, among other positions in science.*
- *Nationally, Chair of the Steering Committee for the ABRCMS- Led the growth of this international annual scientific conference of students, faculty and administrators including those underrepresented in the biomedical sciences to become the largest of its kind (2024 meeting ~7,000 attendees); garnered >\$23 million in NIH funding in support of meeting, launched ABRCMS Online, ABRCMS Graduate Student Symposium, ABRCMS Leadership Academy, expanded programming to support full range of scientific careers.*

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- *Nationally, Member of the Board of Trustees of the New York Blood Center- Oversight of the New York Blood Center Enterprises in the Northeast and Midwest.*
- *Nationally, Member of the Board of Trustees of the Guthrie Clinic- Oversight of the Guthrie Clinic enterprise in northern Pennsylvania and southern New York.*
- *Internationally, member of Oversight Committee of City University of Hong Kong/Cornell University School of Veterinary Medicine Graduate program- consulted on graduate curriculum development and recruitment of research faculty for new veterinary medical school at City University of Hong Kong.*
- *Internationally, planned and led Workshops on “Immunological in Animal and Human Health” at the University of Hyderabad, Sponsored by the Indian Government’s Global Initiative for Academic Networks (GIAN) program- Served ~200 Indian undergraduate students from across India in a 5 day workshop; Co-Organizer (with Cornell-Sathguru Foundation, University of Hyderabad, and National Institute for Animal Biotechnology), Indian One Health Summit, New Delhi, India- International convening of ~ 15 Indian government agencies and academic institutions around One Health; membership on Advisory Boards of Indian government research institute, and biotech startup.*

#### **Select Honors**

Dean's Honor List, Los Angeles City College; Dean's Honor List, California State University, Los Angeles; ASHI Scholar in Basic Sciences; NSF Minority Post-Doctoral Fellow; Leukemia Research Foundation Investigator; Community of Scholars Teaching Award; AAI Vanguard Lecture; Title of Distinguished Professor at Penn State; American Society for Cell Biology E.E. Just Award; One of 23 STEM superstars of PBS Newshour; American Society for Microbiology (ASM)/Indo-US Science and Technology Forum (IUSSTF) Indo-US Professorship in Microbiology; Outstanding Alumni Award, Weil Graduate School of Medical Sciences, Cornell University; The American Society for Biochemistry and Molecular Biology Ruth Kirschstein Diversity in Science Award; Howard Hughes Medical Institute Professor; Society for Leukocyte Biology Mentoring Award; Elected Fellow of the American Society for Microbiology; Elected Fellow of the American Association for the Advancement of Science

#### **University Service**

##### Cornell University

*Search Committees:* faculty, department chairs and directors, deans, provosts and vice presidents

##### **Committees and Advisory Boards (select)**

Cornell University-Center for the Integration of Research, Teaching, and Learning (CU-CIRTL);

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Biosafety Program Committee, College of Veterinary Medicine; Undergraduate Honors Advisory Committee; Provost's Committee on Curriculum Oversight; Provost's committee on Reducing Bureaucracy; Institute for Biotechnology; **Co-Chair**, Infection Biology Task Force, Provost's Radical Collaboration Initiative; A.D. White Professors-at-Large Committee; Concur Oversight Committee; Executive Committee, Cornell Center for Immunology; Faculty Advisor, Undergraduate Student Chapter of the Cornell Center for Health Equity (Undergraduate Student organization); Salesforce Governance Committee; Executive Committee, Cornell Institute for Host Microbe and Defense; Committee on Research and Operations Reactivation (during COVID pandemic); Task Force Steering Committee for SC Johnson College of Business; **Chair**, Implementation Committee for Undergraduate Educational Requirements on Race & Equity; **Co-Chair**, Presidential Task Force on Undergraduate Admissions; **Co-Chair**, Presidential Task Force on Institutional Voice; Senior Member, Response Planning Team on Presidential Executive Orders

### The Pennsylvania State University

#### *Department of Veterinary and Biomedical Sciences*

Organizer of Veterinary Science Bortree Seminar Series; Virologist Faculty Search Committee; Pathobiology Graduate Program, Recruitment Committee; Cell and Developmental Biology Option, Life Science Consortium, Admissions Committee; Scholarship Committee; Organizer of the "Take our daughters and sons to work day"; Immunology & Infectious Disease Faculty Search Committee; Department Head Search Committee; Promotion & Tenure Committee; Senior Immunology Faculty Search Committee; Mentor in the FastStart Mentoring program run by the Penn State Alumni Association; Recruitment Committee, Immunobiology Option, Life Science Consortium; Advisory Committee, Flow Cytometry Facility, Huck Institute for Life Sciences; Advisory Committee, Hybridoma Facility, Huck Institute for Life Sciences; ORP Subcommittee on IACUC training; Sloan Faculty; Lead Faculty Committee for the Northeast Alliance for Graduate Education and the Professoriate; Institutional Animal Care and Use Committee (IACUC); **Chair**, Council of Graduate Chairs, Huck Institute for Life Sciences; Animal Resource Program Task Force; College of Agricultural Sciences Dean Search Committee

### Teaching Accomplishments

#### *Courses taught or participated (2010-Present, Cornell University)*

BIOMS 3150/4150, Basic Immunology; VETMI 7120, Seminars in Infection and Immunity; VETMI 7050 (BIOMS 7050), Advanced Immunology; VTMED 5400, Host, Agent and Defense (Block IV). DVM Course (Tutor Group Leader); VETMI 7230, Current Topics in Immunology & Infectious Disease; VETMI 1150, Hidden Voices in Science; BioG 3100: Preparing HHMI-CURT Scholars for Research; VetMI 7030: Biomedical Sciences: Foundations of the PhD

#### *Courses taught or participated (1999-2010, The Pennsylvania State University)*

V SC 050S, Mechanisms of Disease; MICRB 410, Principles of Immunology; V SC 432, Advances in Immunology: Signaling in the Immune System; IBIOS 597C, Using Antibodies; BMMB 598G, Biological Regulation; IBIOS 597D, Special Topics. Benchmark Papers  
V B SC 518, T cell recognition and development; V SC 520, Pathobiology; IBIOS 591, Ethics in the Life Sciences; V SC 511, Molecular Immunology; IBIOS 597K, Contemporary Topics in Molecular Medicine; GENET 597A, Eukaryotic Genetic Model Systems; BMB 464, Molecular Medicine; IBIOS 597K, Contemporary Topics in Molecular Medicine

#### *International*

*Teaching* BC 531 (Immunology) and Organizer, Workshop on "Immunological in Animal and Human Health", University of Hyderabad and Global Initiative for Academic Networks (GIAN), Hyderabad, India

*Independent/Individual studies*

At Penn State and Cornell, supervised 11 high school students, >100 undergraduate students in independent studies, ~40% of whom came from backgrounds underrepresented in science. Supervised research experiences for 10 veterinary medical students, 3 of whom came from backgrounds underrepresented in science.

Primary supervision of 21 graduate students including in: Integrated Bioscience; Pathobiology; Biochemistry, Microbiology & Molecular Biology; Immunology & Infectious Disease; Cell & Developmental Biology; Physiology. Three of these graduate students are from backgrounds underrepresented in science. Service on >120 thesis committees

**Select Related Professional Experience**

Academic reviewing: >65 journals including *Cell*, *Nature*, *Science*, *New England Journal of Medicine*, *Journal of Experimental Medicine*, *Journal of Clinical Investigation* and *Proceedings of the National Academy of Sciences USA*. Ad Hoc Reviewer for Immunology Text Book Benjamin Cummins Publishing and for Immunology Text Book WH Freeman Publishing

Editorial Board Memberships: >11 journals. Currently including *mBio*, *Molecular Biology of the Cell*, and *Annual Reviews of Immunology*

**Service (representative)**

Service to the Profession (National)

NSF: Reviewer for Science and Technology Centers program

NIH: Reviewer (including as **Chair**) for Cell and Developmental Biology; Immunological Sciences; Molecular and Cellular Mechanisms of Disease; Diversity Predoctoral Fellowships (F31 and F32 pre-doctoral fellowship programs); Lung Biology and Pathology (LBPA); Cellular, Molecular, and Immunobiology Study Section (LCMI); College of CSR Reviewers; Immunity and host Defense Study Section (IHD); Innovative Research Topics in Virology; Asthma and Lung Host Defense; Applied Emerging Technologies for Cancer Research; Small Business-Respiratory Sciences; Bridges to the Future; New Innovator Awards Review; NIH Director's Biomedical Research Workforce Innovation Award (BEST program); Cooperative Centers on Human Immunology (U19); Board of Scientific Counselors, National Institute of Aging; Search committee member for the Scientific Director of the National Institute on Aging; NIGMS Working Group on Undergraduate Student Development Programs; Board of Scientific Counselors, National Institute of Allergy & Immunology; Board of Scientific Counselors, National Cancer Institute; NIH CSR NIH Blue Ribbon Grant Review committee; NIH Director's Transformative Research Award (TRA); Review Committee. Scientific Director, NIAID; Search Committee, National Institute on Aging

VA: Oncology Study Section review Panel, VA Merit Review

NAS: Life Sciences Panel for the NRC Research Associateship Program; National Academy of Sciences Workshop: Preparing in the Future Workforce in Drug Research & Development

Foundations: The Carver Foundation, AHA Study Section Review Panel, Microbiology & Microbial Pathogenesis-basic Science; HHMI-Gilliam Fellowships; Review panel, HHMI-Freeman Hrabowski Scholar Program; Scientific Advisory Committee, Pew Programs in the Pew Programs in the Biomedical Sciences, The Pew Charitable Trusts;

Scientific Societies: Publications Committee, American Association of Immunologists; Committee on Public Affairs, American Association of Immunologists; Committee on Minority Education, American Society of Microbiologists; **Chair**, Steering Committee, Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS); **Elected Councilor**, American Association of Immunologists (**assumption of presidency 2026-2027**); Board of Directors, American Society for Microbiology; Leader of Cohort and Coach, ASBMB MOSAIC Scholars program; **Co-Organizer**, APLU Workshop: Engaging with the Past to Embrace the Future: Supporting Indigenous Students at Public and Land-grant Institutions; **Co-Chair**, American Society for Cell Biology Program Annual Meeting Committee;

Other: PWI and HBCU Research Partnerships: Creating Meaningful Relationships, Black Engineer of the Year (BEYA) Awards STEM Conference

*Service to the Profession (International):*

Reviewer of Scientific programs for the University College of Belize (now University of Belize); Reviewer, Austrian Science Foundation; The Prime Minister's Council of Science Advisors, Government of Belize; Reviewer, Michael Smith Foundation for Health Research (Canada); Reviewer, Wellcome Trust (United Kingdom); Panel Participant, Gaining tenure, ThymUS meeting; Reviewer, U.S.-Israeli Binational Science Foundation (Israel); Reviewer, Deutsche Forschungsgemeinschaft (The German Research Foundation); Organizer, Workshop on "Immunological in Animal and Human Health", University of Hyderabad and Global Initiative for Academic Networks (GIAN), Hyderabad, India; Co-Organizer (with Cornell-Sathguru Foundation, University of Hyderabad, and National Institute for Animal Biotechnology), Indian One Health Summit, New Delhi, India; Site visit Reviewer, Medical University of Vienna for the Austrian Science Foundation

***Advisory Boards/Board of Trustees***

Past: AAALAC International; RIMI Program, Virginia State University; Alcorn State:Penn State Bridges to the Doctorate Program, The Pennsylvania State University; 'TRAINING for Success in Biomedical Research Careers'. Training Program, Brown University; NIH-MBRS-RISE Program, Alabama State University; McNair Scholars Program, Binghamton University; Mentoring Committee, NIAID; Sena Institute for Technology (SIT), Dzodze, Ghana; National Institute for Animal Biotechnology; NIH-NIGMS-RISE Program, Medgar Evers College of the City University of New York; Rochester Bridges to the Doctorate program (RB2D); Sloan UCEM Community Advisory Committee; Association of Public and Land Grant Universities (APLU); Committee on Academic Affairs Advisory Committee on Faculty Affairs (ACFA); Going the Distance: A GSU Virtual Workshop Series on Professional Development; Biogen Heath Equity Advisory Group; Oncoseek Bio Pvt. Ltd. (India); Acellular CytoTherapeutics; Research Leadership Institute, University of Arizona; Faculty Access program, University of Alabama at Huntsville

Current: Federation of Asian Biotech Associations (FABA) (India); T32 Training Program, Department of Microbiology and Immunology, University of Rochester Medical Center; The Guthrie Clinic; The New York Blood Center

***Consulting:*** 15 companies, currently Genentech, Corvus Pharmaceuticals

**Current and past Research Support:** >\$80 million from NIH, NSF, Foundations and companies

**Publications:** >170 research papers and book chapters

***Patents:*** 4 Invention disclosures

***OpEds:*** 2 OpEds

***Membership in the following professional societies:***

American Association for the Advancement of Science; American Association of Immunology; American Society for Microbiology; American Society for Cell Biology; Society for Leukocyte Biology