



David Engman, MD, PhD

APC Senior Fellow Since: 2020

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EDUCATION

Undergraduate Degree: Bachelor of Arts in Biology, Northwestern University (1983).

Graduate/Professional Degree: Doctor of Medicine, University of Iowa (1990); Doctor of Philosophy in Genetics, University of Iowa (1990). **Postgraduate**

Education: Clinical Pathology, Northwestern University Feinberg School of Medicine and Northwestern Memorial Hospital, Chicago (1995).

SERVICE

Service as Pathology Chair: Cedars Sinai Medical Center, Los Angeles (2015-2020). **Leadership Roles Before, During, and After Service as Chair:** Director, Medical Scientist Training Program (MD-PhD Program), Northwestern University, Chicago and Evanston, IL (1995-2011); Medical Director, Molecular Genetics Laboratory, Northwestern Memorial Hospital, Chicago, IL (1995-2001); President, National Association of MD-PhD Programs (2007); Chair, MD-PhD Section, Association of American Medical Colleges (2007); Director, Predoctoral Translational Research Training Program (TL1), Northwestern University Clinical and Translational Science Institute, Chicago, IL (2008-2014); Medical Director, Thorson Goodall Diagnostic Molecular Biology Laboratory, Northwestern Memorial Hospital, Chicago, IL (2012-2014); President, American Association of University Pathologists (Pluto Society) (2013); Vice Chair, Department of Pathology & Laboratory Medicine, UCLA David Geffen School of Medicine, Los Angeles, CA (2016-2021).

AREAS OF PROFESSIONAL INTEREST

Research: Basic, translational and clinical research in the following areas: tropical infectious diseases, infectious and inflammatory cardiomyopathies, Covid-19 and cancer solid tumors. **Clinical:** Molecular genetic pathology; Microbiology with emphasis on parasitology. **Educational:** Teacher and/or course director for courses for undergraduates, medical students, graduate students, residents, fellows and junior faculty in microbiology, genetics, pathology, molecular cardiology and molecular medicine. **Mentoring:** Mentorship of many learners from high school students to senior faculty and administrators, including didactic courses, research training and career development. **Current Interests:** Continued part-time research, teaching, and mentoring and advising of diagnostic and pharmaceutical companies in molecular genetic pathology and diagnostic microbiology and immunology.

ACHIEVEMENTS

Honors and Awards: Richter Undergraduate Research Award, Northwestern University (1982); NIH Medical Scientist Training Program, University of Iowa (1983); NIH Genetics Training Program, University of Iowa (1985); Merck, Sharp and Dohme MD PhD Physician-Scientist Training Fellowship, American Federation for Clinical Research (1992); Established Investigator, American Heart Association (1996); Finalist, George H. Joost Outstanding Teaching Award, Feinberg School of Medicine (1997-2016); MSTP Distinguished Scientist Lecturer, University of Rochester (2004); Carl Vestling Lecturer, University of Iowa Department of Biochemistry (2006); Elected Fellow, American Heart Association (2007); Elected Member, American Society for Clinical Investigation (2007); Elected President, National Association of MD-PhD Programs (2007); Chair, MD-PhD Section, Association of American Medical Colleges (2007); Elected Member, American Association of University Pathologists (Pluto Society) (2007); Selected Amgen Outstanding Investigator Award, FASEB American Society for Investigative Pathology (2008); Elected Fellow, American Academy of Microbiology (2009); Elected to the Board of Advisors, American Physician Scientists Association (2014); Voted Mentor of the Year, Faculty of the Feinberg School of Medicine (2015); Named Medallion Chair in Molecular Medicine, Cedars Sinai Medical Center (2016); 11th Annual M. Sambasiva Rao Lecturer, Northwestern University (2019). **Professional Achievements of Which You are Most Proud:** Northwestern MSTP Director. Directed program for 17 years. Program grew from 32 to 102 students. Over \$18M in NIH training grant support. Raised \$9M endowment; Cedars Sinai Department of Pathology. Chair for 5 years. Recruited 30 new faculty with total number growing by 50 percent from 2015 to 2020. Greatly expanded clinical outreach with outreach income exceeding 60% of revenues by 2020. Increased extramural research funding from <\$100K to >\$9.5M per year (2015-2020). Added new training programs (including PSTP, new fellowships, instructor program), mentoring programs and internal grant programs; Mentorship. Voted Mentor of the Year by the faculty of the Feinberg School of Medicine. Special emphasis on career development and promotion of women and underrepresented people in academic medicine and research. More than 100 scientists and physician-scientists trained in the Engman Lab 1990-2022; Research. Contributed to our understanding of pathogen- and host-directed immunity in the pathogenesis of infection-induced organ-specific inflammation. Contributed to knowledge of the cilium as a sensory organelle as well as a motor in eukaryotic cells and multicellular organisms.

OUTSIDE INTERESTS

Hobbies: Racquet sports, including tennis, pickleball, table tennis, squash and badminton; Music, including voice and piano; Other sports, including golf and basketball; Hiking and mountaineering.
Volunteer Activities: Mentoring, including academic and nonacademic mentoring.