



Vinay Kumar, MBBS, MD/PhD, FRCPath

APC Senior Fellow Since: 2017

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EDUCATION

Undergraduate Degree: B.Sc. Honors in Botany with distinction, Poona University, India (1962).

Graduate/Professional Degree: MBBS (Equivalent to MD), Punjab University (1967). **Postgraduate**

Education: Residency and MD (Equivalent to PhD) in Pathology); **Board Certification** in Anatomic Pathology (MD), both at All India Institute of Medical Sciences, New Delhi India (1969-72).

SERVICE

Service as Pathology Chair: Department of Pathology, University of Chicago (March 2000-December 2016). **Leadership Roles Before, During, and After Service as Chair:** Vice Chairman for Educational Affairs, Department of Pathology, UT Southwestern Medical School, Dallas, Texas (1994-2000); Associate Dean for Medical Education, UT Southwestern Medical School, Dallas, Texas, (1997-2000); Vice Dean, Biologic Sciences Division and Pritzker Medical School, University of Chicago (2006-2007); Executive Vice Dean, Biologic Sciences Division and Pritzker Medical School, University of Chicago (2007-2010); President, American Society of Investigative Pathology (1998-1999); Member, Association of Pathology (APC) Chairs Council (2000-2002); President, Universities Associated for Research and Education in Pathology (UAREP) (2001-2003); Chair, Association of Pathology Chairs, Research and Education Group (2003-2007); Member, Immunobiology Study Section, NIH (1984-1987); Member, National Board of Medical Examiners (Pathology test writing committee) (1992-1995); Section Editor: Journal of Immunology (1993-1996); Member of Program Committee, American Association of Immunologists (AAI) (1990-1993), (Chairman, Lymphocyte and Macrophage effector functions Block); Member AAMC Advisory Panel on: Future of Armed Forces Institute of Pathology Tissue Repository (2005); Member AAMC- Howard Hughes Advisory Group: Scientific Foundation for Future Physicians (2006-2009); Consultant, Department of Biotechnology, Govt. of India for setting up Translational Health Science Technology Institute, India (2009-2011); Founding Director Translational Health Science Technology Institute, India 2011 (declined); Co Founding-Editor, Annual Reviews of Pathology. Abbas A, Downing JR, Kumar V. (2005-2007); Editorial Board Member; Annual Review of Pathology (2008-2013); Curriculum Consultant, Medical Council of India (2011-2016).

AREAS OF PROFESSIONAL INTEREST

Research: Cellular and Molecular biology of Natural Killer Cells; Bone Marrow transplantation; Stem Cell biology. **Educational:** Undergraduate medical education: Author/Editor of Robbins and Kumar Basic Pathology, 11th Ed (2022) ; Robbins Essential Pathology : A digital pathology book, first ed (2020) Robbins Cotran and Kumar Pathologic Basis of Disease, 11th Ed (In revision, due 2024) Robbins Review of Pathology, 5th ed. (2021)- a 1500 book with USMLE style questions; Development of Educational Technology including development of simulation platform (i-human). **Mentoring:** Medical students: careers in biomedical

sciences and pathology: Residents on the physician scientist track; Pathology faculty: career and academic advancement. Pathology chair mentoring as well as mentoring faculty who aspire to be pathology chairs.

Current Interests: See above.

ACHIEVEMENTS

Honors and Awards: National Merit Scholarship, Government of India (1958-1967); Best Medical Graduate of Punjab University (1967), Graduated with distinction in Anatomy, Physiology, Pathology, Internal Medicine, Surgery, Obstetrics and Gynecology; Ranked first in all 3 parts of the board examination; Pfizer Award and Gold Medal for highest achievement as a medical student (1967); Khanolkar Prize for outstanding research by residents in Pathology: Awarded by the Indian Association of Pathologists to young investigators (1971); Cancer Research Scholar Award: American Cancer Society (1978); Thomas Robitscher Faculty Award for excellence in teaching pre-clinical sciences, Boston University School of Medicine (1981); Outstanding Faculty Award (for Teaching): University of Texas, Southwestern Medical School (May 1989, May 1991, May 1995, 1996, 1997, 1998, 1999 and 2000); Consultant to the United Nations Development Fund for transfer of technology and know-how to India, (October-November 1991); Burroughs Wellcome Visiting Professor, Meharry Medical College, Nashville (October 1996); Elected Fellow of the Royal College of Pathologists, (London); Keynote speaker, Group for Education and Research in Pathology, Granada (February 2001); The Twelfth Annual Robert E. Stowell Lecture, Armed Forces Institute of Pathology, Washington, DC (October 2002); Elected Fellow of the American Association of Advancement of Sciences (2004); Keynote Speaker, Association of Pathology Chairmen Meeting, Montreal, Canada (July 2004); The first Stanley L. Robbins Memorial Lecture, New England Pathology Society, Boston (October 2004); The Alpha Omega Alpha (AOA) Honor Society Speaker, Creighton University Medical Center, Omaha, Nebraska (April 2005); The First Stanley L Robbins Memorial Lecture, Brigham and Women's Hospital, Harvard Medical School (September 2006); Golden Jubilee Oration, All India Institute of Medical Sciences, New Delhi (November 2006); Keynote Speaker, Japanese Society of Pathology, Tokyo, Japan (March 2007); The first Stanley L. Robbins distinguished educator award conferred by the American Society of Investigative Pathology (April 2009); Keynote Speaker, Golden Jubilee meeting of Australian Medical Students Association, Brisbane (July 2009); Keynote Speaker: Group for Research in Pathology Education, Annual Meeting Marshall University (Jan 2011); Keynote speaker, Medicon, annual research conference of Indian medical students held in Mangalore (2009), Coimbatore (2010), Mumbai (2011), and Wardha (2012); College of American Pathologists (CAP) Lifetime achievement award (Oct 2016); Gold Headed Cane Award by American Society of Investigative Pathology (2009); Distinguished Service Award, APC (2020); Paper in Science describing perforin gene mutations as the cause of inherited hemophagocytic syndromes (Science 286: 1957-1959), selected as a Pillar of Immunology by Journal of Immunology in June 2016, for opening a new area of research.

Professional Achievements of Which You are Most Proud: Discovery of Natural Killer Cells as a distinct population of lymphocytes and their receptors; Author/ Editor of Robbins Pathology texts starting in 1980 -present; the world's most widely used pathology texts with translation in 13 languages; training 20 graduate students and 9 post-doctoral fellows

OUTSIDE INTERESTS

Hobbies: Traveling; reading nonfiction; watching movies; attending performances of Chicago symphony orchestra; watching plays at Steppenwolf and Goodman theaters; playing cards and chess with my grandchildren.