

## DISTINGUISHED ALUMNUS

# Frederick R. Davey, MD

Class of 1964

**Frederick R. Davey, MD '64**, is professor emeritus of pathology at Upstate Medical University. At the time of his retirement in 2001, he was chairman and professor of the Department of Pathology, director of the Pathology Laboratories, and professor of internal medicine and microbiology. For most of the past decade, Dr. Davey has maintained his connection with SUNY Upstate Medical University through his activities on the board of the Syracuse Medical Alumni Association as an emeritus member.

Dr. Davey was born in Penn Yan, New York, in 1939. During childhood and adolescent years, he lived in Geneva, Ithaca, and Hastings-on-Hudson, New York. In 1957, he matriculated as a freshman at Syracuse University. At the time, an innovative program established between the Upstate Medical Center and Syracuse University provided a bachelor's of arts degree to a student who completed a three-year pre-medical program majoring in zoology and successfully finished the first year of medical school. As a result, Davey received his BA from Syracuse University in 1961 and an MD degree from Upstate in 1964. During the summer recess between the second and third years of medical school, he received a National Institute of Health Scholarship to work in the Department of Pathology with Robert F. Rohner, MD.

Davey stayed at Upstate for his internship, then completed a residency in pathology at the Peter Bent Brigham Hospital, Boston Children's Hospital, and the Boston Women's Hospital. In addition, he served as a research fellow at Harvard Medical College. In his final post-graduate year, he was a fellow in hematology with William Maloney, MD, director of hematology at the Peter Bent Brigham Hospital and an interna-



tionally known investigator of malignant hematologic disorders.

Between 1969 and 1971, Davey served in the United States Army Medical Corps as chief of clinical pathology at Letterman General Hospital in San Francisco, California. Following his term of service, he returned to Syracuse, joining the Upstate faculty as an assistant professor of pathology in the Division of Clinical Pathology under the leadership of Dr. John B. Henry and Dr. Douglas A. Nelson. He became full professor in 1979.

Davey's research activities were focused in the fields of blood banking and hematopathology. During his Upstate tenure, he was fortunate to have investigative support from research assistants, graduate students, fellows and faculty members from several departments including internal medicine, pediatrics, microbiology and pathology. His earliest investigations were in collaboration with Charlene Hubble and Dr. John Henry regarding the association of human histocompatibility antigens with the incidence of sev-

eral hematologic disorders. In the late 1970s and early 1980s, Davey, along with Michael Morris, Douglas Halliday, MD '79, and Dr. A.A. Marucci, used histochemical stains and immunoperoxidase labeled antibodies to phenotype lymphoid neoplasms. They demonstrated that the classification of lymphoid malignancies at that time was not only inadequate but, inaccurate. In the next several years, Dr. Davey, together with Dr. Nancy Dock and Dr. Jeffrey Wolos, used early cell separation techniques and autologous mixed lymphocyte cultures to examine the function of lymphocyte subpopulation in variety lymphoid malignancies. Concurrently, Dr. Tice and Dr. Davey developed a method for analysis of in-vitro T-lymphocyte colony-forming cells.

Anthony S. Kurec was for many years Davey's indispensable research assistant and graduate student, maintaining the research laboratory while Davey enjoyed a sabbatical leave under the tutelage of Dr. David Y. Mason at the Ratcliff Hospital in Oxford. There, Davey gained significant experience in the use of a panel of monoclonal antibodies in the immunophenotyping of non-Hodgkin's lymphomas in paraffin embedded tissue section. With the assistance of Kurec, this technology was brought back to the Upstate Medical University and applied to the study of myeloid leukemias and myelodysplastic syndromes. These studies were among the first to demonstrate the utility of enzyme labeled antibodies in identifying antigens in paraffin embedded tissue sections. Variations of these techniques are now routinely used in today's histopathology laboratories.

During Davey's 30-year tenure at Upstate, Dr. Douglas A. Nelson was instrumental in supporting research in the morphology and histochemistry of

hematologic malignancies. In addition, Dr. Arlan Gottlieb provided an opportunity for Drs. Davey and Nelson to join the multi-institutional Cancer and Acute Leukemia B research group. In this setting, Drs. Davey and Nelson, together with the great assistance of Jane McCallum, reviewed the diagnoses of all the group's cases of acute and chronic leukemias as well as myeloproliferative disorders using routine cytochemical techniques and histochemical stains performed at Upstate.

As a result of the combined effort with many colleagues, Davey contributed to 165 journal publications and 50 textbook chapters. In 1988, he was guest editor of a volume of Clinics in Laboratory Medicine entitled "Classification, Diagnosis and Molecular Biology of Lymphoproliferative Disorders" and in 1990, he served as guest editor for another issue entitled "Myeloproliferative Disorders." Davey was also associate editor of the textbook Clinical Diagnosis and Management by Laboratory Methods.

During his tenure, Davey held various positions within the Department of Pathology, the College of Medicine, and at University Hospital, including director of the Blood Bank from 1979 to 1989, director of clinical pathology from 1988 to 1995, director of the pathology residency program from 1997 to 1999 and president of the Pathology Medical Service Group.

Davey's duties for the College of Medicine included overall responsibilities for the clinical, teaching, and research activities of the Department of Pathology. He served as chairman of the Faculty Organization and was Chairman of the Promotions Committee. He was also a member of several theses and qualifying committees in the Graduate School

at both the master's and doctoral level, and member of the Dean's and President's Executive Committees.

Dr. Davey's activities at University Hospital and Clinical Systems included serving as vice dean for clinical affairs from 1995-96, chairman of the Governing Board, and chair of University Medical Associates at Syracuse for six years. Davey was also president of the Medical Board of University Hospital. In these positions, he played an important role in the strategic planning for the Upstate campus, focusing on initiatives at both the College of Medicine and University Hospital.

In addition, Davey demonstrated loyalty and support for his alma mater through his contributions to the University Foundation and Medical Alumni Association. He served as an active member on the Medical Alumni Association's Board of Directors for more than 22 years, holding several leadership positions before serving as board president from 1994-1996. For many years, he organized his class reunion and raised funds as a Phonathon volunteer. He is a member of the Association's Loyalty Society, which recognizes those who have given more than \$15,000 or have donated for 15 consecutive years. In 1996, Davey was elected to the SUNY Alumni Honor Roll.

For the Foundation, Davey chaired the successful endowment campaign to fund the \$1.5 million David B. Jones/Robert F. Rohner Chair in Experimental Pathology. Ten years later, he chaired the full funding of a second \$1.5 million endowment for the John B. Henry Chair in Experimental Pathology.

Davey was active in a variety of national committees, serving as secretary, vice-president and president of the American Board of Pathology; chair

of the Residency Review Committee in Pathology for the ACGME; and serving on the executive committee of the Academy of Clinical Laboratory Physicians and Scientists. He was a member of the Council of Hematology for the American Society of Clinical Pathology, was a Fellow of the College of American Pathologists, and an active member of the American Society of Hematology and American Association of Immunology.

In 1998, Davey received the Certificate of Appreciation from the Accreditation Council for Graduate Medical Education for his leadership as chair of the Residency Review Committee in Pathology. In 2000, he received the President's Award for Excellence in Faculty Service, and the following year was made Life Trustee of the American Board of Pathology. In 2004, he received the President's award for Excellence in Philanthropic Service.

After living in the greater Syracuse area for more than 40 years, Davey and his wife relocated to Pittsford, New York, to live closer to their oldest daughter, son-in-law, and four grandchildren. They have a second daughter, son-in-law, and two grandchildren in Cohasset, Massachusetts. During June through September, they enjoy life together in their summer home on Tuscarora Lake in Erieville, New York.

*\*BIO SUBMITTED BY DR. DAVEY*