

# THE UNIVERSITY OF MICHIGAN

## *Regents Communication*

### ACTION REQUEST

**Subject:** Report of Faculty Retirement

**Action Requested:** Adoption of Retirement Memoir

**Kathryn A. Eaton, D.V.M., Ph.D., Diplomate, ACVP**, professor of microbiology and immunology in the Medical School, retired from active faculty status on June 30, 2022.

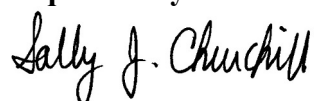
Professor Eaton received her B.A. degree from Amherst College in 1978 and her D.V.M. degree from Tufts University in 1984. She completed her residency in veterinary pathology and received her Ph.D. degree from The Ohio State University in 1990, and was accepted as a Diplomate and full member of the American College of Veterinary Pathology in the same year. After serving as assistant and associate professor at The Ohio State University, she joined the University of Michigan faculty as an associate professor in 2003, and was promoted to professor in 2010.

Professor Eaton is a pathologist, veterinarian, researcher, and teacher. She has spent her career teaching undergraduates, veterinary students, medical students, veterinarians, and graduate students; and researching bacterial enteric diseases of humans. She was the first to develop an animal model of gastritis due to *Helicobacter pylori*, the first to demonstrate the role of bacterial virulence factors in colonization by that organism, and the first to use a mouse model to demonstrate the role of host immune response in disease due to *H. pylori*. She was also the first to demonstrate that Shigatoxin production by enterohemorrhagic *Escherichia coli* was essential to induce disease, and in collaboration with Professor Emeritus David Friedman, she showed that prophage induction was essential for Shigatoxin production. In addition to her research and teaching, she established and directed the University of Michigan Germ-Free Mouse Core Facility, edited two books on germ-free animal technology and use, and provided consultation for germ-free facilities at other institutions. She was active in her professional organization, the American College of Veterinary Pathology, and served on the ACVP Board Exam Committee until her retirement.

Professor Eaton's vitae contains more than 150 publications, including journal articles, book chapters, and research reviews. She successfully mentored seven graduate students and many undergraduate researchers, and she provided pathology and animal model support for researchers throughout the Medical School.

The Regents now salute this distinguished faculty member by naming **Kathryn A. Eaton, professor emerita of microbiology and immunology**.

**Requested by:**



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**Sally J. Churchill, J.D.**  
Vice President and Secretary of the University

**June 2022**