

## MISSION STATEMENT

The Department of Environmental and Radiological Health Sciences (ERHS) houses academic, research, and clinical programs that address the promotion of human and animal health. One focus of our department is on monitoring exposures of living organisms to environmental agents such as radiation and air pollution, understanding the biological mechanisms underlying the detrimental effects of such exposures, and preventing or minimizing exposures and their effects. A second focus concerns diagnostic and therapeutic uses of radiation with a major emphasis on cancer in both clinical veterinary medicine, and basic cancer biology/radiobiology. The mission of the department is to deliver excellent undergraduate, graduate, and professional veterinary medical education in environmental and radiological health to prepare students to contribute to society; to conduct state of the art research in human and animal health focusing on environmental exposures and clinical applications; and to promote excellence in outreach and service to the citizens of Colorado, the United States, and globally through information transfer, research, continuing education and technical assistance. ERHS is unique in its multifactorial approach to disease that involves chemical, physical, and biological factors. ERHS provides undergraduate and graduate programs leading to B.S., M.S. and Ph.D. degrees. Training is offered in a broad range of environmental and radiological health areas including biosafety, cancer biology, cell and molecular radiobiology and toxicology, contaminant ecology, health physics, medical physics, human and veterinary epidemiology, industrial hygiene, veterinary diagnostic imaging, radiation oncology, occupational safety, ergonomics, and risk assessment.



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