

Cynthia Baldwin, PhD

Dr. Baldwin has investigated cellular immunology for 40 years, focusing on cellular responses to bacterial and protozoan pathogens of humans and livestock, including *Brucella*, *Leptospira*, *Mycobacterium*, and *Theileria*. Her research has emphasized the characterization and function of cattle and ruminant gamma delta T lymphocytes ($\gamma\delta$ T cells), demonstrating that expression of a family of novel pattern recognition receptors, known as the WC1 co-receptor family, by $\gamma\delta$ T cells designates antigen reactivity, in conjunction with the T cell receptor, by binding pathogens and pathogen components directly.



At the same time as carrying forward research programs on *Brucella*, WC1, and gamma delta T cells, Dr. Baldwin also engaged in considerable service in the profession. She was the departmental graduate program director for a cumulative 12 years, recruiting and mentoring large numbers of graduate students. She created and managed the “VetImm” email list to promote contacts in the veterinary immunological community and to advance veterinary immunology. The list contains over 900 national and international members.

Dr. Baldwin also created the Bruce email list to connect researchers working on brucellosis. She reviews journal articles extensively and has served on the editorial board and as editor for *Veterinary Immunology and Immunopathology*, the editorial board of *Infection and Immunity*, and a section editor for the *Journal of Immunology*. She has been reviewing grants and serving on study sections continuously since 1990. She has served as president, vice-president, chair, or member of multiple professional organizations and advisory councils since 1992.

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