

2009 Summer Research Program

DVM Students

Fellow/Mentor Pairings	Research Project Topic
Emma Fortenberry '12/ Dr. Ramesh Vemulapalli, CPB	Development of a multiplex real-time PCR assay for simultaneous detection of four abortifacient zoonotic pathogens in sheep and goats
Rayne Johnson '12/ Dr. Barrak Pressler, VCS	Detection of anti-myeloperoxidase antibodies in cats using a novel cat-specific ELISA assay
Daren Miller '12/ Dr. Roman Pogranichniy, CPB	Comparison of circovirus vaccine efficacy
Kerry O'Conner '11/ Dr. Scott Crist, CPB	Systemic inflammation and autoimmunity: non-lymphoid cell impact on adaptive immune responses
Jean Pan '12/ Dr. Debbie Knapp, VCS	Identify mutations in a tyrosine kinase EphA2
Lisa Rodin '12/ Dr. Lyn Freeman, VCS	Feasibility of transvaginal NOTES ovariectomy in mares
Josh Warren '11/ Dr. Jeff Ko, VCS	Functional MRI for pain analysis

Preveterinary Students

Fellow/Mentor Pairings	Research Project Topic
Joselyn Allen, Junior, Biology, University of the Virgin Islands/ Dr. Annette Litster, VCS	Risk factors for delayed transition from isolation ward to adoption floor in shelter puppies and kittens
Lauren Avery, Sophomore, Animal Science, Tuskegee University/ Dr. Riyi Shi, BMS	Animal model of neurodegenerative disease
Susan Bowman, Junior, Biology, University of Virginia/ Dr. Susan Mendrysa, BMS	The role that MDM2 plays in the proliferation of tumor cells in the medulla, resulting in medulloblastoma and brain cancer
Megan Downey, Junior, Biology, Hanover College/ Dr. Sophie Lelièvre, BMS	Identification of early alterations in mammary tissue that are necessary for breast cancer development: epigenetic, microscopy, and therapeutic approach
Raphael Malbrue, Sophomore, Animal Science, Tuskegee University/ Dr. Ourania Andrisani, BMS)/ Dr. Eli Asem, BMS/ Dr. Bill Van Alstine, CPB	Development of the hen animal model for the study of ovarian cancer
Matthew Rowland, Junior, Biology, University of Michigan/ Dr. Jean Stiles, VCS	Evaluation of an experimental antiviral agent against feline herpesvirus and calicivirus - an <i>in vitro</i> pilot study on its effectiveness
R. Emerson Tuttle, Senior, Biology, Middlebury College/ Dr. Joanne Messick, CPB	Characterization of gene inserts within clones of a ZapII expression library of <i>Mycoplasma haemofelis</i>