

























NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<b>Todd Archer MS, DVM</b> 	MSU-CVM Clinical Sciences	Small animal internal medicine; pharmacodynamic monitoring of T cells in response to immunosuppressive drugs	662-325-1226; tarcher@cvm.msstate.edu
<b>Cooper Brookshire MS, DVM</b> 	MSU-CVM Clinical Sciences	Shelter medicine; wildlife/ecology; antimicrobial resistance	662-325-3432; c.brookshire@msstate.edu
<b>Ryan Butler MS, DVM</b> 	MSU-CVM Clinical Sciences	Small animal surgery; orthopedics, stifle biomechanics, maxillofacial surgery	662-325-1438; ryan.butler@msstate.edu
<b>Russell Carr MS, PhD</b> 	MSU-CVM Basic Sciences	Toxicology/behavior and cognitive function; effects of agricultural chemicals and endocrine disrupting chemicals on the developing nervous system with emphasis on effects on behavior and cognitive function and on appropriate neurotransmitter system development.	662-325-1039; rlcarr@cvm.msstate.edu





NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<p><b>Jan Chambers, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Biochemical and environmental toxicology; mechanism of action and biotransformation of neurotoxicants; neurochemical and behavioral effects of anticholinesterase insecticides; metabolism of insecticides and other xenobiotics; pesticide exposure assessment; developmental neurotoxicity</p>	<p>662-325-1255; chambers@cvm.msstate.edu</p>
<p><b>Allen Crow MD, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Cardiovascular disease, intracellular signaling in the macrophage in relationship to lipid metabolism and transport</p>	<p>662-325-3761; crow@cvm.msstate.edu</p>
<p><b>Jean M.N. Feugang, MS, PhD</b></p> 	<p>MSU Animal &amp; Dairy Sciences</p>	<p>Large animal reproduction; biology of mammalian gametes and embryos; post-collection semen manipulation; non-invasive luminescence and fluorescence bioimaging; nanotechnology in animal production, reproduction and disease prevention</p>	<p>662-325-7567; jn181@msstate.edu;  <a href="http://www.ads.msstate.edu/associate.asp?id=106">http://www.ads.msstate.edu/associate.asp?id=106</a></p>
<p><b>Nick Fitzkee, PhD</b></p> 	<p>MSU Chemistry</p>	<p>Protein structure and function; Specific projects include (1) determining protein-nanoparticle surface interactions as a model for bacterial biofilm formation, and (2) exploring elastin-like polypeptides (ELPs) as a drug delivery system</p>	<p>662-325-1288; nfitzkee@chemistry.msstate.edu;  <a href="http://fitzkee.chemistry.msstate.edu/">http://fitzkee.chemistry.msstate.edu/</a></p>





NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<b>Matt Griffin, PhD</b> 	MSU-CVM Pathobiology & Population Medicine	Aquatic animal health; molecular diagnostics, environmental pathogen detection, parasitology, microbiology	662-686-3580; matt.griffin@msstate.edu
<b>Larry Hanson, PhD</b> 	MSU-CVM Basic Sciences	Molecular virology and the application of molecular biology to investigate fish health problems associated with aquaculture	662-325-1202; hanson@cvm.msstate.edu
<b>Richard Hopper, DVM</b> 	MSU-CVM Pathobiology & Population Medicine	Theriogenology; bovine reproduction; urogenital surgical procedures; factors affecting fetal development	662-325-2194; hopper@cvm.msstate.edu
<b>Renita Horton, MS, PhD</b> 	Ag and Biomedical Engineering	Cardiovascular disease modeling; mechanotransduction; microdevices; organs on chip	662-325-7345; rhorton@abe.msstate.edu  <a href="http://www.abe.msstate.edu/people/faculty/renita-horton/">http://www.abe.msstate.edu/people/faculty/renita-horton/</a>

NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<p><b>Trey Howell, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Environmental toxicology; role of organochlorine bioaccumulation in development of type 2 diabetes; cardiovascular toxicology</p>	<p>601-420-4707; howell@cvm.msstate.edu</p>
<p><b>Barbara Kaplan, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Mechanisms of immunotoxicology; immune responsiveness in the nervous system and neuroimmune interactions using an autoimmune model of multiple sclerosis; mechanisms of immune response to environmental contaminants</p>	<p>662-325-1113; bkaplan@cvm.msstate.edu</p>
<p><b>Attila Karsi, MS, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Infectious diseases and functional genomics; bacterial pathogenesis; food safety</p>	<p>662-325-1130; karsi@cvm.msstate.edu</p>
<p><b>Jonas King, PhD</b></p> 	<p>MSU Biochemistry, Molecular Biology, Entomology and Plant Patholog</p>	<p>Host-pathogen interactions and arthropod disease vectors, primarily related to malaria (<i>Plasmodium</i>) parasites and mosquito vectors; development of novel molecular diagnostics for plant and animal diseases</p>	<p>662-325-7740; jonas.king@msstate.edu;  <a href="http://kinglab.bch.msstate.edu/">http://kinglab.bch.msstate.edu/</a></p>




NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<p><b>Mark Lawrence, DVM, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Bacterial pathogenesis; food safety; comparative genomics, functional genomics, molecular biology, and host models to study pathogenesis of fish bacterial pathogens (e.g. <i>Edwardsiella ictaluri</i>, <i>Aeromonas hydrophila</i>, <i>Flavobacterium columnare</i>), as well as the food pathogen, <i>Listeria monocytogenes</i></p>	<p>662-325-1205; lawrence@cvm.msstate.edu</p>
<p><b>Bindu Nanduri, MS, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Bacterial pathogenesis and genomics; role of polyamines and iron responsive genes in pneumococcal (<i>Streptococcus pneumoniae</i>) pathogenesis and virulence; development of computational resources for host-pathogen interactions for agricultural species</p>	<p>662-325-5859; bnanduri@cvm.msstate.edu</p>
<p><b>Raj Prabhu, PhD</b></p> 	<p>MSU Ag and Biomedical Engineering</p>	<p>Bio-inspired design; targeted cancer drug delivery</p>	<p>662-325-3282; rprabhu@abe.msstate.edu;  <a href="http://www.abe.msstate.edu/people/faculty/raj-prabhu/">http://www.abe.msstate.edu/people/faculty/raj-prabhu/</a></p>
<p><b>Stephen Pruett, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Mechanisms of immunomodulation by drugs and chemicals with particular emphasis on the role of neuroendocrine mediators; mathematical/statistical modeling of immune function.</p>	<p>662-325-6653; pruett@cvm.msstate.edu</p>

NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<p><b>Matt Ross, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Biochemistry; role of carboxylesterases in xenobiotic and lipid metabolism, and in relation to inflammation and disease (specifically atherosclerosis) progression; characterization of serine hydrolases involved degradation of lipids, esp. endocannabinoids</p>	
<p><b>T. Graham Rosser, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Characterization of parasites of farmed fish and selected wildlife specific using molecular and classical parasitology techniques; specific interests in fish myxozoan and trematode parasites</p>	<p>662-325-0167; graham.rosser@msstate.edu</p>
<p><b>Peter Ryan, MS, PhD</b></p> 	<p>MSU Animal &amp; Dairy Sciences and MSU-CVM Pathobiology &amp; Population Medicine</p>	<p>Reproductive physiology and theriogenology</p>	<p>662-325-3742; pryan@ads.msstate.edu;  <a href="http://www.cvm.msstate.edu/faculty/ryan_peter.html">http://www.cvm.msstate.edu/faculty/ryan_peter.html</a></p>
<p><b>Keun Seok Seo, DVM, PhD</b></p> 	<p>MSU-CVM Basic Sciences</p>	<p>Bacteriology and host response; specific interests in <i>Staphylococcus aureus</i> superantigens</p>	<p>662-325-1419; seo@cvm.msstate.edu</p>

NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<p><b>David Smith, DVM, PhD</b></p> 	<p>MSU-CVM Pathobiology &amp; Population Medicine</p>	<p>Epidemiology; Use of field epidemiology to discover how beef cattle production-systems can be modified to improve the health, well-being, and productivity of cattle, and benefit human and environmental health</p>	<p>662-325-1344; dsmith@cvm.msstate.edu</p>
<p><b>Betsy Swanson, MS, DVM</b></p> 	<p>MSU-CVM Clinical Sciences</p>	<p>Soft tissue surgery; wound care; minimally invasive surgery; chronic biofilm infections</p>	<p>662-325-3712; eswanson@cvm.msstate.edu</p>
<p><b>Cyprianna Swiderski, DVM, PhD</b></p> 	<p>MSU-CVM Clinical Sciences</p>	<p>Translational respiratory research using an equine model</p>	<p>662-325-3432; swiderski@cvm.msstate.edu;  <a href="http://www.cvm.msstate.edu/animal-health-center/equine-medicine-surgery/respiratory-research-laboratory">http://www.cvm.msstate.edu/animal-health-center/equine-medicine-surgery/respiratory-research-laboratory</a></p>
<p><b>John Thomason, MS, DVM</b></p> 	<p>MSU-CVM Clinical Sciences</p>	<p>Hematology; hemostasis; oncology; immune mediated hemolytic anemia, evaluation of platelet function, and anti-platelet therapy</p>	<p>662-325-2412; thomason@cvm.msstate.edu;</p>

NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<b>Justin Thornton, PhD</b> 	MSU Biological Sciences	Pathogenesis of <i>Streptococcus pneumoniae</i> , including role of bacterial toxins, metal-binding surface proteins, colonization and invasive disease, as well as regulation of innate immunity in pneumococcal disease	662-325-8020; thornton@biology.msstate.edu  www.pneumolab.com
<b>Andrea Varela-Stokes, DVM, PhD</b> 	MSU-CVM Basic Sciences	Parasitology; tick-borne diseases; Tick- <i>Rickettsia</i> -vertebrate host interactions, including maintenance in nature and host response; other tick-borne pathogens including <i>Borrelia</i> , <i>Ehrlichia</i> , and the protozoan, <i>Hepatozoon americanum</i> ; wildlife parasitology and vector-borne disease	662-325-1345; stokes@cvm.msstate.edu;
<b>Henry Wan, BSVetMed, MS, MSc, PhD</b> 	MSU-CVM Basic Sciences	Viral pathogenesis and genomics; genomic dynamics, evolution and ecology of influenza A viruses; influenza-host interactions, esp. influenza cell tropisms and host immune responses against influenza infection; host microbial community dynamics & association with disease burden; new pathogen discovery using metagenomics	662-325-3559; wan@cvm.msstate.edu;  <a href="http://sysbio.cvm.msstate.edu">http://sysbio.cvm.msstate.edu</a>
<b>Chinling Wang, MS, DVM, PhD</b> 	MSU-CVM Basic Sciences	Microbiology; specific interests in food safety and food-borne bacteria; studies involving bacterial typing, rapid detection assays, functional genomics, proteomics, bacterial pathogenesis	662-325-1683; wang@cvm.msstate.edu



NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION
<p><b>Lakiesha Williams, MS, PhD</b></p> 	<p>MSU Ag and Biomedical Engineering</p>	<p>Injury mechanics and modeling</p>	<p>662-325-3282; lwilliams@abe.msstate.edu</p> <p><a href="http://www.abe.msstate.edu/people/faculty/lakiesha-n-williams/">http://www.abe.msstate.edu/people/faculty/lakiesha-n-williams/</a></p>
<p><b>Kim Woodruff, MS, DVM</b></p> 	<p>MSU-CVM; Pathobiology &amp; Population Medicine Clinical Sciences</p>	<p>Shelter medicine; epidemiology; disease control in shelter populations</p>	<p>662-325-0448; kwoodruff@cvm.msstate.edu;</p>
<p><b>Amelia Woolums, DVM, PhD</b></p> 	<p>MSU-CVM Pathobiology &amp; Population Medicine</p>	<p>Respiratory disease of cattle and calves; immunity &amp; vaccinology in cattle &amp; calves; infectious diseases of large animals</p>	<p>662-325-2361; amelia.woolums@msstate.edu</p>

NAME	DEPARTMENT	RESEARCH AREA	CONTACT INFORMATION