Trish Berger, Ph.D. - Professor
2147 Meyer Hall | 530-752-1267 | tberger@ucdavis.edu
Fertilization and fertility; gamete membrane interaction at the molecular level, including species comparisons and species variation; effect of environmental stresses; Sertoli cell proliferation and testicular development. Graduate Groups: Animal Biology

Richard A. Blatchford, Ph.D. - Assistant Extension Specialist: Small to Industry Scale Poultry
2121 Meyer Hall | 530-752-8763 | rablatchford@ucdavis.edu
Husbandry, behavior, and welfare of small to large scale poultry operations; effects of housing design and management techniques on laying hens and broilers; development of on-farm assessment tools. Graduate Groups: Animal Biology; Avian Sciences

David A. Bunn, Ph.D. - Assistant Adjunct Professor
530-752-3122 | dabunn@ucdavis.edu
Better livelihoods and food security of the rural poor through intervention strategies for improving animal health and production in developing countries and improving small-scale poultry production systems. Research also includes strategies and policies for conservation of wildlife, habitats and agricultural lands. Graduate Groups: International Agricultural Development; Ecology; Preventive Veterinary Medicine

Hao Cheng, Ph.D. - Assistant Professor
2139 Meyer Hall | qticheng@ucdavis.edu | Lab Website: http://qtl.rocks/
Development of statistical methods, computational algorithms and software tools for quantitative and statistical genetics. Graduate Groups: Animal Biology; Integrative Genetics and Genomics

Fred S. Conte, Ph.D. - Aquaculture Specialist and Lecturer
1203 Meyer Hall | 530-752-7689 | fsconte@ucdavis.edu | Lab Website: http://aqua.ucdavis.edu/

Mary E. Delany, Ph.D. - Professor and Fiddymo Endowed Chair
Executive Associate Dean, College of Agricultural & Environmental Sciences (CA&ES)
2131D Meyer Hall | 530-754-9343 (Meyer Office) 530-752-0233 (Mrak Office) | medelany@ucdavis.edu
Avian genetics and genome organization including projects in molecular cytogenetics, developmental genetics, telomere biology. Main lab projects include: role of the telomere/telomerase pathway and Marek’s disease herpesvirus-host genome interactions in oncogenic disease; genomic and developmental analysis of sequences and genes causing inherited limb and craniofacial malformations. Graduate Groups: Animal Biology; Avian Sciences; Integrative Genetics and Genomics

Anna C. Denicol, DVM, MPVM, Ph.D. - Assistant Professor
2201 Meyer Hall | 352-665-1909 | acdenicol@ucdavis.edu
Reproductive and developmental biology. Paracrine and endocrine regulation of follicle and oocyte development and carry over effects of adverse environments during folliculogenesis on embryonic development. Biology of ovarian oocyte progenitor cells (ooogonal stem cells) and their potential to improve and restore female fertility. Graduate Groups: Animal Biology; Molecular, Cellular and Integrative Physiology
Edward J. DePeters, Ph.D. - Distinguished Professor
Master Advisor for Animal Science major
2149 Meyer Hall | 530-752-1263 | edepeters@ucdavis.edu
Ruminant nutrition of dairy cattle; mammary gland synthesis of milk protein and fat; nutrient digestion, absorption, and metabolism; evaluation of by-product feedstuffs and forage quality. Graduate Groups: Animal Biology; Nutritional Biology

John M. Eadie, Ph.D. - Professor
1079 Academic Surge | 530-754-0145 | jmeadie@ucdavis.edu
Waterfowl; avian behavior and ecology; population genetics; wetland and riparian ecology; molecular ecology. Graduate Groups: Avian Sciences; Animal Behavior; Ecology; Population Biology

James G. Fadel, Ph.D. - Professor
Master Advisor for Animal Science and Management major
2115 Meyer Hall | 530-752-1259 | jgfadel@ucdavis.edu
Mathematical and statistical applications mainly in nutrition, environment, sustainability, and management systems. Research incorporates information from modeling, in vitro, and in vivo experiments as well as other datasets. Graduate Groups: Animal Biology; International Agricultural Development; Nutritional Biology

Jackson Gross, MSPH, Ph.D. - Cooperative Extension Aquaculture Specialist
2117 Meyer Hall | jagross@ucdavis.edu | Lab Website: http://aquaculture.ucdavis.edu/
The driving force in my current research program is to be at the forefront of environmental and production sustainability and ecological integrity. To achieve this vision my research is focused into three distinct, yet overlapping applied research themes; (1) Aquaculture, (2) Invasion Biology and (3) Environmental/Ecological Toxicology. Graduate Groups: Animal Biology; Ecology

Matthias Hess, Ph.D. - Assistant Professor
Wiley Research Fellow and Hellman Fellow
2123 Meyer Hall | 530-752-8809 | mhess@ucdavis.edu | Lab Website: http://hesslab.com/
Application of cultivation-independent and cultivation-based approaches to obtain a multi-scale (from molecule to cell to population to ecosystem) understanding of microbial systems; characterize how microbial systems respond to environmental changes and affect their habitats, and identify microbes and microbial proteins of industrial and medical relevance. Graduate Groups: Animal Biology; Biological Systems Engineering; Microbiology

Kristina M. Horback, Ph.D. - Assistant Professor
2143 Meyer Hall | 530-846-9037 | kmhorback@ucdavis.edu | Lab Website: https://horback.faculty.ucdavis.edu/
Investigate the ontogeny and heritability of species-specific personality traits among domestic farm animals; evaluate the relationship between personality traits and an individual's ability to cope with environmental and/or social stress (i.e., biological health and psychological state). Graduate Groups: Animal Biology; Animal Behavior

Russ Hovey, Ph.D. - Professor
2145 Meyer Hall | 530-752-1682 | rchovey@ucdavis.edu | Lab Website: https://hovey.faculty.ucdavis.edu/
Hormonal regulation of mammary gland growth, lactation, and breast cancer with interests in ovarian and pituitary hormone functions; role of the stromal environment in cell function; and across-species differences in milk production, mammary gland biology, hormone function and breast cancer risk. Graduate Groups: Animal Biology; Integrative Genetics and Genomics; International Agricultural Development; Nutritional Biology

Joshua M. Hull, Ph.D. - Assistant Adjunct Professor
2131A Meyer Hall | 916-414-6742 | jmhull@ucdavis.edu
Conservation ecology; population genetics; phylogeography; threatened and endangered species; migration ecology; raptor biology. Graduate Groups: Avian Sciences; Ecology
Silas S.O. Hung, Ph.D. - Professor  
1221 Meyer Hall  |  530-752-3580  |  sshung@ucdavis.edu  
Fish nutrition, toxicology, biochemistry, physiology, and ecology. Graduate Groups: Animal Biology

Ermias Kebreab, Ph.D. - Professor & Sesnon Endowed Chair  
Deputy Director of the Agricultural Sustainability Institute  
Associate Vice Provost of Academic Programs in Global Affairs  
2111 Meyer Hall  |  530-752-5907  |  ekebreab@ucdavis.edu  |  Lab Website: http://anemal.ucdavis.edu/  
Sustainable animal agriculture; energy and nutrient requirement/utilization of farm animals; environmental impact of animal agriculture including modeling greenhouse gas emissions from livestock; tropical animal agriculture. Graduate Groups: Animal Biology; Ecology; International Agriculture and Development

Annie J. King, Ph.D. - Professor  
Chair of Avian Sciences Graduate Group  
1217 Meyer Hall  |  530-752-3530  |  ajking@ucdavis.edu  
Natural antioxidants, prevention of lipid oxidation in poultry meat and its products, use of fruit and vegetable by-products as poultry feed ingredients; determination of cholesterol oxides. Graduate Groups: Agricultural and Food Chemistry; Avian Sciences; Food Science

Kirk C. Klasing, Ph.D. - Distinguished Professor  
2131B Meyer Hall  |  530-752-1901  |  kcklasing@ucdavis.edu  
Impact of nutrition on immunobiology and disease resistance; immunologic basis of stress; nutrition and metabolic adaptation required by carnivorous, granivorous, and nectivorous birds. Graduate Groups: Animal Biology; Avian Sciences; Immunology

Dietmar Kueltz, Ph.D. - Professor  
2131C Meyer Hall  |  530-752-2991  |  dkueltz@ucdavis.edu  |  Lab Website: https://kueltzlab.ucdavis.edu/  
Aquatic Biology, Evolutionary Physiology and Genomics, Fish Osmoregulation, Environmental Stress Response, Global Environmental Change, Comparative Proteomics; Identification and characterization of key molecular mechanisms conferring environmental stress resistance and why these mechanisms are effective in some animals and cell types while weak in others. Graduate Groups: Animal Biology; Genetics; Ecology; Molecular, Cellular and Integrative Physiology

Yanhong Liu, Ph.D. - Assistant Professor  
2107 Meyer Hall  |  yahliu@ucdavis.edu  |  530-752-4275  
Lab Website: https://animalnutr-ansci.faculty.ucdavis.edu/  
Evaluation of feed ingredients and additives as potential alternatives to antibiotics for use in the animal agricultural industry; address public concerns about antimicrobial resistance and help the animal industry deploy feed-based health technologies to improve animal health. Graduate Groups: Animal Biology; Nutritional Biology

Elizabeth A. Maga, Ph.D. - Assistant Professor  
2125 Meyer Hall  |  530-752-5930  |  eamaga@ucdavis.edu  
Applied genetic engineering and gene editing; development and use of animal models of disease, translation of the use of genetically engineered ruminant milk to improve animal and human health, health and well-being of transgenic animals, role of intestinal microbiota on health and resistance to infection; relationship between casein genotypes and goat milk quality. Graduate Groups: Animal Biology; Nutritional Biology

Maja M. Makagon, Ph.D. - Assistant Professor  
2245 Meyer Hall  |  530-752-9419  |  mmmakagon@ucdavis.edu  
Lab Website: https://makagon.faculty.ucdavis.edu/  
Animal behavior, animal welfare, poultry housing and management. Graduate Groups: Animal Biology; Animal Behavior; Avian Sciences
Bernie P. May, Ph.D. - Research Professor
1255 Meyer Hall | bpmay@ucdavis.edu | Lab Website: http://gvl.ucdavis.edu/
Conservation biology; population genetics of natural populations, threatened and endangered species; genetic mapping of quantitative trait loci; genomic manipulation of commercially important aquatic species; effect of environmental stressors on natural gene pools. Career Guidance in the Biological Sciences.

Amy McLean, Ph.D. - Equine Lecturer (PSOE)
2119 Meyer Hall | acmclean@ucdavis.edu
Improving equine management, behavior and welfare with a specific interest in donkeys, mules, hinnies and working equids in developing countries. Graduate Groups: Animal Biology

Juan F. Medrano, Ph.D. - Professor
2243 Meyer Hall | 530-752-6786 | jfmedrano@ucdavis.edu

Deanne Meyer, Ph.D. - Extension Specialist: Livestock Waste Management and Lecturer
Master Advisor for Agricultural and Environmental Education major
2209 Meyer Hall | 530-752-9391 | dmeyer@ucdavis.edu
Analyses of production, collection, storage, transportation, and utilization of nutrients and water on dairies. Extension activities focus on environmental stewardship education of policy makers and other stakeholders. Graduate Groups: Animal Biology

Michael J. Mienaltowski, DVM, Ph.D. - Assistant Professor
2211 Meyer Hall | 530-207-3226 | mjmienaltowski@ucdavis.edu
Lab Website: https://msklab.faculty.ucdavis.edu/
Physiology; musculoskeletal biology; development, maturation, and repair; extracellular matrix/niche organization; tissue engineering; stem/progenitor cell biology; functional genomics; mouse model; equine; poultry; livestock. Graduate Groups: Animal Biology, Integrative Genetics and Genomics, Integrative Pathobiology

Michael R. Miller, Ph.D. - Assistant Professor
2251 Meyer Hall | 530-304-4719 | micmiller@ucdavis.edu
Lab Website: https://sites.google.com/site/millermichaelryan/
Animal genetics and genomics; conservation and ecological genetics and genomics; genomics and bioinformatics technology development; salmonid fishes. Graduate Groups: Animal Biology; Ecology; Integrative Genetics and Genomics

Frank M. Mitloehner, Ph.D. - Professor and Air Quality Extension Specialist
2151 Meyer Hall | 530-752-3936 | fmitloehner@ucdavis.edu
Lab Website: https://mitloehner.faculty.ucdavis.edu/
Research focus is on sustainable livestock agriculture, with primary focus on livestock’s contribution to air quality impairment and climate change and related mitigation. Furthermore, we study the implications of air emissions on the health/welfare and safety of workers and livestock. Graduate Groups: Animal Biology; Animal Behavior; Ecology; Agricultural Chemistry
James D. Murray, Ph.D. - Professor & Chair
Professor, Department of Population Health and Reproduction, School of Veterinary Medicine
2223B Meyer Hall | 530-752-1252 | jdmurray@ucdavis.edu
Genetic engineering and gene editing of animals for use in agriculture, improving the technologies associated with cloning and the production of transgenic animals, modification of anti-microbial, functional and lipid characteristics of milk, characterization of and applications of mesenchymal stem cells; equine genomics. Graduate Groups: Animal Biology; Integrative Genetics and Genomics

Anita M. Oberbauer, Ph.D. - Professor
Associate Dean for Agricultural Sciences, College of Agricultural and Environmental Sciences
1301 Meyer Hall | 530-752-1045 (Meyer Lab) 530-752-5484 (Mrak Office) | amoberbauer@ucdavis.edu
Lab Website: http://cgap.ucdavis.edu/
Cell and molecular control of animal growth; investigation of the genetic causes of traits especially disease in cattle and dogs. Graduate Groups: Animal Biology; Integrative Genetics and Genomics; Molecular, Cellular and Integrative Physiology; Forensics

James W. Oltjen, Ph.D. - Extension Specialist: Animal Management Systems and Lecturer
Chair of Animal Biology Graduate Group
2153 Meyer Hall | 530-752 5650 | jwoltjen@ucdavis.edu
Animal management systems; resource use in animal agriculture; beef cattle growth. Outreach programs include: Computer decision support software; beef quality assurance; life cycle analysis for cattle and sheep ranches. Graduate Groups: Animal Biology; Nutritional Biology

Lee Allen Pettey, Ph.D. - Lecturer (PSOE)
Director of Animal Science Curriculum Development/Assessment
2137 Meyer Hall | 530-752-8924 | lapettey@ucdavis.edu
Effectiveness of teaching methodologies and technologies as they apply to animal science courses; pedagogically sound approaches to curriculum and course development for traditional and non-traditional animal science students; applied livestock nutrition focusing on use of alternative feed ingredients. Graduate Groups: Animal Biology

Peter H. Robinson, Ph.D. - Extension Specialist: Dairy Nutrition and Management
2203 Meyer Hall | 530-754 7565 | phrobinson@ucdavis.edu
On farm animal management systems; on farm implementation of strategies to reduce the environmental impact of cows. Graduate Groups: Animal Biology

Pablo J. Ross, Ph.D. - Associate Professor & Vice Chair
2239 Meyer Hall | 530-771-7225 | pross@ucdavis.edu

Roberto D. Sainz, Ph.D. - Professor
2207 Meyer Hall | 530-752-6293 | rdsainz@ucdavis.edu | Lab Website: https://sainz.faculty.ucdavis.edu/
Beef cattle nutrition, growth, body composition; genetic and nutritional determinants of energy metabolism; international (tropical) animal agriculture; mathematical modeling of animal function and production systems; ecological footprint. Graduate Groups: Animal Biology; International Agricultural Development; Nutritional Biology
Andrea Schreier, Ph.D. - Assistant Adjunct Professor
2235 Meyer Hall  |  530-752-0664  |  amdrauch@ucdavis.edu  |  Lab Website: http://gvl.ucdavis.edu/
Applying genetic and genomic techniques to answer ecological or evolutionary questions about wild populations, conservation of threatened and endangered species, genetic management of conservation and commercial aquaculture, animal polyploidy. Graduate Groups: Ecology; Integrative Genetics and Genomics

Anne E. Todgham, Ph.D. - Associate Professor & Vice Chair
2205 Meyer Hall  |  530-752-1897  |  todgham@ucdavis.edu  |  Lab Website: https://todghamlab.faculty.ucdavis.edu/
Research focus on stress physiology with an interest in understanding the molecular, biochemical and physiological mechanisms that underlie an animal’s capacity to cope with environmental change. We study vulnerability to multiple stressors in the context of conservation of aquatic species and managing stress in sustainable aquaculture. Graduate Groups: Animal Behavior; Animal Biology; Ecology

Cassandra B. Tucker, Ph.D. - Professor
2109 Meyer Hall  |  530-754-5750  |  cbtucker@ucdavis.edu  |  Lab Website: http://tuckerlab.ucdavis.edu/
Animal welfare, animal behavior, effects of housing design and environmental conditions on dairy and beef cattle. Graduate Groups: Animal Biology; Animal Behavior

Alison Van Eenennaam, Ph.D. - Extension Specialist: Animal Biotechnology and Genomics
2113 Meyer Hall  |  530-752-7942  |  alvaneenennaam@ucdavis.edu  
Lab Website: https://animalbiotech.ucdavis.edu/
Use of biotechnologies in animal agriculture, marker-assisted selection in cattle, cloned and transgenic or genetically engineered animals, gene editing in animals, science communication. Graduate Groups: Animal Biology; Integrative Genetics and Genomics

Jason V. Watters, Ph.D. - Associate Adjunct Professor
415-213-8128  |  jasonw@sfszoo.org
Animal behavior, animal welfare, conservation behavior; behavioral assays of animal welfare, environmental enrichment for zoo and aquarium animals; zoo animal behavior and its impact on zoo-goers. Graduate Groups: Animal Biology; Animal Behavior

Xiang (Crystal) Yang, Ph.D. - Assistant Professor
2237 Meyer Hall  |  530-752-6590  |  xcyang@ucdavis.edu  |  Lab Website: https://yang.faculty.ucdavis.edu/
Meat safety, meat quality, shelf life of meat and meat products, postharvest foodborne pathogen control, characterizing pathogen and whole microbial community profiles present in meat production chain, effect of feeding system on degree of antimicrobial resistance and pathogen prevalence in livestock and poultry. Graduate Groups: Animal Biology; Food Science

Huaijun Zhou, Ph.D. - Professor and Chancellor’s Fellow
Director of USAID Feed the Future Innovation Lab for Genomics to Improve Poultry
2247 Meyer Hall  |  530-752-1034  |  hzhou@ucdavis.edu  |  Lab Website: https://zhou.faculty.ucdavis.edu/
Investigation of molecular and cellular mechanisms of host-pathogen interaction and disease resistance using genetic, epigenomic and bioinformatic approaches in poultry. Functional annotation of animal genomes by integrating ChIP-seq, ATAC-seq, Methyl-seq and RNA-seq etc. Graduate Groups: Animal Biology; Avian Sciences; Integrative Genetics and Genomics; Immunology; Microbiology

Richard Zinn, Ph.D. - Professor
Desert Research & Extension Center  |  760-756-3068  |  razinn@ucdavis.edu
Nutrition, health, and management of feedlot cattle. Graduate Groups: Animal Biology