



College of  
Veterinary Medicine  
University of Missouri



# 2017 REFERRING VETERINARIANS' GUIDE

*Teaching ♦ Healing ♦ Discovery ♦ Service*



**VETERINARY HEALTH CENTER**



**VETERINARY HEALTH CENTER-WENTZVILLE**

VETERINARY HEALTH CENTER 900 East Campus Drive, Columbia, MO 65211  
573-882-7821 Web site: [www.vhc.missouri.edu](http://www.vhc.missouri.edu) E-mail: [vhcrefdvm@missouri.edu](mailto:vhcrefdvm@missouri.edu)



# MEET THE TEAM

## ADMINISTRATION AND MARKETING



**John Dodam**  
DVM, MS, PhD,  
DACVAA  
Department  
Chair



**David A. Wilson**  
DVM, MS, DACVS  
VHC Hospital  
Director



**Leah Cohn**  
DVM, PhD,  
DACVIM  
Associate  
Department  
Chair



**Ron Haffey**  
VHC Hospital  
Administrator



**Kirk Thompson**  
MBA  
VHC Marketing  
Specialist

## ANESTHESIOLOGY

From kittens to the largest draft horses, patients at the Veterinary Health Center require the services of the anesthesia section.

- \* The sophisticated patient services provided by the other areas of the hospital require equally sophisticated anesthesia for the highest quality in patient care.
- \* We anesthetize specialized cases as well as routine procedures performed as part of our local practice.
- \* We provide pain management and critical care for hospitalized patients.

The anesthesia faculty welcomes both companion and large animal consultations as well as anesthesia-related questions from private veterinarians. The anesthesia faculty can be reached by calling 573-882-7821.

### ANESTHESIOLOGY FACULTY



**Keith Branson\***  
DVM, MS,  
DACVAA  
Assistant  
Teaching  
Professor



**Alex Bukoski**  
PhD, DVM,  
DACVAA  
Assistant  
Professor



**John Dodam**  
DVM, MS, PhD  
DACVAA  
Professor &  
Department Chair

### ANESTHESIOLOGY TECHNICIANS



**Christena Abreu**  
RVT



**Sylvia Hohmeier**  
RVT



**Katrina Hunton,**  
RVT



**Jennifer  
Polkow-Haight,**  
RVT



**Eevee Watson,**  
RVT

\*head of section

## RADIOLOGY/ RADIATION ONCOLOGY

The radiology section provides comprehensive services to the Veterinary Health Center in all types of imaging.

- \* Radiography
- \* Ultrasound
- \* Computed tomography for large and small animals
- \* Magnetic resonance imaging for horses and small animals
- \* Nuclear scintigraphy
- \* Positron emission tomography
- \* Through its referral interpretation and telephone consultation services, the radiology section provides support and individual continuing education to Midwest veterinarians.

The radiology section is one of fewer than five services in the country that provides comprehensive radiation therapy service for clinical patients including external beam, implantable and injectable radiation therapy. The section has been instrumental in the initial development of at least two products that are now approved for and commonly used in both veterinary and human medicine.

### RADIOLOGY RESIDENTS



**Kristi  
Pack**  
DVM



**Kate  
Shumway**  
DVM



**James  
Schachtel**  
BVet Med,  
MRCVS



**Amy  
Zalcman**  
DVM

### RADIOLOGY TECHNOLOGIST



**Riley Butler**  
R.T. (R) (ARRT)



**Barb Fennel-Moll**  
BS, R.T. (R),  
RDMS



**James Holland**  
R.T. (R) (MR)  
(ARRT)



**Joni Lunceford**  
CNMT, NMTCB  
(CT), PET



**Kevin Lunceford**  
Rad. Supervisor  
CNMT



**Catlin Titus**  
R.T. (R) (ARRT)



**Terry Stockton**  
R.T. (R) (CCT) (ARRT)

### RADIATION ONCOLOGY FACULTY



**Jimmy Lattimer**  
DVM, MS, DACVR,  
DACVR-RO  
Associate  
Professor



**Charles Maitz\***  
DVM, PhD,  
DACVR-RO  
Assistant  
Professor



**Kim Selting**  
DVM, MS,  
DACVIM-O,  
DACVR-RO  
Associate Teaching  
Professor



**Jimmy Lattimer\***  
DVM, MS,  
DACVR,  
DACVR-RO  
Associate  
Professor



**Jodi Matheson**  
DVM, DACVR  
Associate  
Teaching  
Professor

### RADIATION ONCOLOGY RESIDENT



**Melanie Moore**  
BVMS, MRCVS



**Jeff March**  
VT



**Megan Young**  
RVT

### RADIOLOGY FACULTY

# COMMUNITY PRACTICE

The Community Practice Section at the MU Veterinary Health Center serves many functions for its patients and clients. As generalists (similar to family practice MDs) our veterinarians see dogs and cats for medical and surgical problems as well as for maintenance of wellness, prevention of disease and maximizing quality of life for our patients and their owners. We have special interests in nutrition, dentistry, skin and ear infections, parasite prevention and treatment, and behavior problems.

## DENTISTRY

We offer a complete range of veterinary dentistry services.

- \* Intra-oral digital dental radiography
- \* Surgical exodontics
- \* Endodontics, including root canal therapy
- \* Orthodontics
- \* Oral fracture repair
- \* Tumor removal
- \* Periodontics

Appointments are needed for general dentistry, consultations and oral surgery services.

## DERMATOLOGY

Dermatologists are the best resource in veterinary medicine for dogs and cats with skin and ear problems that are difficult to resolve.

- \* The VHC has a part-time board-certified dermatologist on staff.
- \* We provide a complete range of veterinary dermatology services including expertise in veterinary dermatohistopathology.

### DERMATOLOGY FACULTY



**David Senter**  
DVM, DACVD  
Adjunct Assistant Professor

### COMMUNITY PRACTICE TECHNICIANS



**Sandra Briesacher**  
DVM



**Christina Guthrie**  
RVT



**Kacey Lundy**  
RVT



**Kelly Michael**  
RVT



**Abby St. Clair**  
VT

\*head of section

## SHELTER MEDICINE

The College's shelter medicine program provides educational benefits to students while helping residents and animals in local communities. The services provided by faculty and students have a direct and positive effect on under-resourced humane societies. The College's participation helps them reach their goals of controlling the population of unwanted animals while maximizing the adaptability of animals in their care.

The College has converted a building at its Middlebush Farm to provide space for animal holding, laboratory procedures, a surgery suite and animal examination. Additionally, a fully equipped mobile surgical trailer allows students to provide spay and neuter services to shelter animals around Missouri with limited access to veterinary care.

Services include:

- \* Anesthesia
- \* Surgery
- \* Physical examination
- \* Infectious disease management
- \* Behavioral assessment

### COMMUNITY PRACTICE FACULTY



**Meagan Brophy**  
DVM  
Adjunct Clinical Instructor



**Carrie Duran**  
DVM, PharmD  
Adjunct Assistant Professor



**Jackie Kleypas**  
DVM  
Clinical Instructor



**Richard Meadows\***  
DVM, DABVP  
Curators Teaching Professor



**Amie Burling**  
DVM, DACVPM  
Assistant Teaching Professor



**Alisa Hutchison**  
DVM  
Clinical Instructor



**Joann Kunz**  
DVM  
Clinical Instructor



**Eva Ulery**  
DVM  
Clinical Instructor

### SHELTER MEDICINE INTERNS



**Kristen May**  
DVM



**Dayle McClintock**  
DVM

# EQUINE MEDICINE AND SURGERY

## AMBULATORY

The equine ambulatory program operates two trucks with three faculty veterinarians and two rotating interns. The ambulatory team offers a full spectrum of services.

- \* Upper airway endoscopy
- \* Digital ultrasound
- \* Digital radiography
- \* Lameness examinations
- \* Preparation of IRAP, PRP and stem cell therapy
- \* Routine and advanced dentistry
- \* Electronic Coggins and health certificates available by email the next day
- \* Vaccinations

## MEDICINE

The medicine service provides emergency and elective care for a wide variety of conditions, including gastrointestinal problems, neurologic conditions, endocrinopathies, cardiac disease, respiratory problems, hepatic and renal diseases, foal disorders and geriatric horse conditions.

- \* Board-certified equine internal medicine specialists
- \* Board-certified equine practice specialists
- \* 24-hour adult and neonatal critical care
- \* Abdominal & thoracic ultrasonography
- \* Computed tomography (CT scan)
- \* Respiratory tract endoscopy
- \* Gastroscopy
- \* Equine dermatology
- \* Equine oncology
- \* Infectious disease management
- \* Cervical myelography
- \* On Site testing for Pituitary Pars Intermedia Dysfunction (PPID or 'Cushing's syndrome')

## SURGERY

A full spectrum of elective and emergency surgery and lameness services are available including arthroscopy, abdominal surgery, wound treatment, fracture repair, respiratory surgery, laparoscopy, sinus and dental surgery, tendon/ligament surgery, podiatry services and regenerative therapies.

- \* Board-certified equine surgeons
- \* State-of-the-art hospital facilities
- \* Cutting-edge lameness diagnosis and therapy
- \* Advanced diagnostics and instrumentation
- \* 24-hour critical care

The Equine Hospital provides all aspects of patient care from on-farm preventive medicine to complex referral care. The MU Veterinary Health Center is on the cutting edge of lameness diagnosis and treatment. A team of specialty clinicians, residents, interns, veterinary students, veterinary technicians and assistants provide your client's horse with the best veterinary medical care.

### EQUINE MEDICINE AND SURGERY FACULTY



**Philip Johnson**  
BVSc (hons), MS,  
MRCVS, DACVIM,  
DECVM  
Professor  
Internal Medicine



**Kevin Keegan**  
DVM, MS, DACVS  
Professor Surgery,  
Director of E. Paige  
Laurie Endowed Equine  
Lameness Program



**Joanne Kramer\***  
DVM, DACVS  
Associate Teaching  
Professor  
Surgery



**Alison LaCarrubba**  
DVM, DABVP  
Assistant Teaching  
Professor  
Internal Medicine  
Ambulatory



**Shannon Reed**  
DVM, MS, DACVS  
Associate Teaching  
Professor  
Surgery



**Martha Scharf**  
DVM  
Clinical Instructor  
Ambulatory



**Dorothy Whelchel**  
DVM, MS, DACVIM  
Assistant Teaching  
Professor  
Internal Medicine  
Ambulatory



**David A. Wilson**  
DVM, MS, DACVS  
Professor Surgery,  
Director of the  
Veterinary Health  
Center Hospital

### EQUINE RESIDENTS



**Lynn Martin**  
DVM, MPH  
Medicine



**Jael Pitts**  
DVM  
Surgery

### EQUINE INTERNS



**Katherine Bucy**  
DVM



**Jessica Millwood**  
BVMS

### EQUINE MEDICINE & SURGERY TECHNICIANS



**Peggy Ashbaugh**  
AT



**Deanna Biondo Bell**  
RVT, BS



**Melody Canote**  
VTA, BS



**Jane Ebben**  
RVT, VTS



**Joyce Guthrie,**  
RVT



**Jay McCallie**  
AT

\*head of section



# FOOD ANIMAL MEDICINE AND SURGERY

The VHC Food Animal Hospital is one of the busiest food animal hospitals in North America. The bulk of the caseload consists of traditional agricultural animals, including beef cattle, dairy cattle, swine, sheep and goats. The clinic also provides services to nontraditional livestock owners.

- \* Routine and emergency individual animal care
- \* State-of-the-art consultative services to farmers for prevention of disease and impaired productivity
- \* Ambulatory care
- \* Consultative services for disease outbreak investigations, herd problems and farm management
- \* Reproduction

## FOOD ANIMAL MEDICINE AND SURGERY FACULTY



**Pamela Adkins**  
DVM, MS, DACVIM  
Clinical Instructor



**Pedro Melendez**  
DVM, PhD  
Associate Professor



**John Middleton**  
DVM, PhD, DACVIM  
Professor; Director  
Agriculture Experiment  
Station



**Dusty Nagy**  
DVM, MS, PhD, DACVIM  
Associate Teaching  
Professor



**Rachel Oman**  
DVM, DACVIM  
Assistant Teaching  
Professor



**Patrick Pithua**  
BVetMed, MSc, PhD  
Associate Professor  
Public Health,  
Epidemiology



**Loren Schultz\***  
DVM, MS, DACVPM  
Associate Teaching  
Professor; Director  
MPH Veterinary  
Concentration Area



**Brian Vander Ley**  
DVM, PhD, DACVPM  
Assistant Professor

## FOOD ANIMAL MEDICINE AND SURGERY RESIDENTS



**Veronique Bernier Gosselin**  
DVM, MS



**Brian Shoemake**  
DVM



**Heather Bornheim**  
DVM

## FOOD ANIMAL MEDICINE AND SURGERY INTERN

## FOOD ANIMAL MEDICINE AND SURGERY TECHNICIAN



**Julie Holle**  
RVT

\*head of section



# NEUROLOGY AND NEUROSURGERY

The neurology and neurosurgery service is led by faculty members who are board certified in veterinary neurology by the American College of Veterinary Internal Medicine (ACVIM). The service offers the latest in diagnostic tests, and medical and surgical treatments.

- \* Advanced imaging such as MRI or CT to view the brain or spinal cord
- \* Electrodiagnostic testing to identify seizure disorders and diseases of the muscles and peripheral nerves
- \* CSF analysis to detect infections of the nervous system
- \* DNA testing for genetic diseases
- \* Full-service rehabilitation center including underwater treadmill
- \* Surgical procedures involving the spine, brain and nerves to include decompressive and stabilization procedures

## NEUROLOGY AND NEUROSURGERY FACULTY



**Joan Coates**  
DVM, MS, DACVIM  
Professor



**Dennis O'Brien\***  
DVM, MS, PhD, DACVIM  
Professor, Chancellor's  
Chair of Excellence in  
Comparative Neurology



**Daniela Mauler**  
DVM, DECVN,  
PhD Candidate  
Assistant Teaching  
Professor

## NEUROLOGY AND NEUROSURGERY RESIDENTS



**Randall Cochran**  
DVM



**Amanda Jurkoshek**  
DVM



**Jeremy Shomper**  
DVM



**Christine Sibigtroth**  
DVM, MS

## NEUROLOGY AND NEUROSURGERY TECHNICIAN



**Rachel Downey**  
VT



**Stephanie Gilliam**  
RVT, VTS  
(Neurology)  
BS, CCRP

## RESEARCH FELLOW



**Katherine Bibi**  
DVM  
Post-Doctoral Fellow



# CARDIOLOGY

The cardiology service of the University of Missouri Veterinary Health Center offers evaluation of heart disease specializing in the diagnosis and treatment of congenital and acquired heart disease in companion animal, food animal, and equine species.

- \* Complete echocardiographic, radiographic, and electrocardiographic evaluations
- \* 24-hour ambulatory electrocardiography, event monitors, implantable loop recorders
- \* Cardiac catheterization procedures including Amplatz occlusion of patent ductus arteriosus, pulmonic stenosis valvuloplasty and heartworm retrieval
- \* Pacemaker implantation
- \* Cutting-edge medications for heart disease

## CARDIOLOGY FACULTY



**Stacey Leach\***  
DVM, DACVIM  
Assistant Teaching  
Professor

## CARDIOLOGY RESIDENTS



**Mark Harmon**  
DVM



**Lyndsay Kong**  
DVM

## CARDIOLOGY TECHNICIAN



**Kelsey Blodgett**  
RVT



# OPHTHALMOLOGY

Complete veterinary ophthalmology diagnostic, medical and surgical services are provided for companion animal, food animal and equine species.

- \* Treatment for eye disorders of domestic and non-domestic species including ocular trauma, dry eye, glaucoma, inflammation of the eye (uveitis), cataracts, tumors, eyelid abnormalities and retinal diseases
- \* Breed certification eye examinations of purebred dogs and horses via annual diagnostic screenings for inherited or congenital eye disorders
- \* Special research focus at the MU College of Veterinary Medicine includes corneal wound healing, therapies for corneal fibrosis, novel treatments for eyelid tumors in horses, and heritable retinal diseases in cats

## OPHTHALMOLOGY FACULTY



**Elizabeth Giuliano\***  
DVM, MS, DACVO  
Professor



**Rajiv Mohan**  
MS, PhD, FARVO  
Professor Ophthalmology  
and Molecular Medicine  
Ruth M. Kraeuchi Missouri  
Endowed Chair Professor  
of Ophthalmology  
Director, Ophthalmology  
One-health One-medicine  
Research Program  
Director, Resident  
Research Mason Eye  
Institute



**Cecil Moore**  
DVM, MS, DACVO  
Professor Emeritus



**Jacqueline Pearce**  
DVM, MS, DACVO  
Assistant Teaching  
Professor

## OPHTHALMOLOGY RESIDENTS



**Todd Marlo**  
DVM



**Elizabeth  
Schaefer**  
DVM

## OPHTHALMOLOGY TECHNICIAN



**Elizabeth Wood**  
RVT

\*head of section

# SMALL ANIMAL EMERGENCY & CRITICAL CARE

The Veterinary Health Center is open and fully staffed to receive emergencies 24 hours a day, 365 days a year. Patients admitted on emergency are triaged upon arrival and provided with lifesaving emergency care as necessary.

All patients receive a complete evaluation by the emergency veterinarian on duty, and the client is informed of the findings of the examination. Diagnostic and treatment plans are recommended and a complete estimate for emergency stabilization is provided to the client. Routine diagnostics such as lab work and plain-film radiographs can be performed at any time, and stabilization, intensive care hospitalization and 24-hour monitoring are provided as needed.

More complex diagnostic and therapeutic procedures can be performed on an emergency basis when indicated. Emergency diagnostic, surgical, and treatment decisions are made on a case-by-case basis and in consultation with the appropriate specialty service.

For critically ill small animal patients that require immediate clinical decisions by a veterinarian, the critical care service is prepared to deliver round-the-clock specialty care, including providing mechanical ventilation or peritoneal dialysis if indicated.

Communications with the primary care veterinarian for each patient seen during evenings and weekends include a fax or e-mail sent the next day to inform the pet's veterinarian of initial findings.

## SMALL ANIMAL EMERGENCY & CRITICAL CARE FACULTY



**Keith Branson**  
DVM, MS, DACVAA  
Assistant Teaching Professor  
Anesthesiology



**John Dodam**  
DVM, MS, PhD, DACVAA  
Professor Anesthesiology  
Department Chair



**Meghan Harmon**  
DVM, DACVECC  
Clinical Instructor



**Elizabeth Easley**  
DVM  
Clinical Instructor



**Marie Kerl**  
DVM, MPH, DACVIM,  
DACVECC  
Teaching Professor



**Tony Mann\***  
DVM, MS, DACVS,  
DACVECC  
Professor

## SMALL ANIMAL EMERGENCY & CRITICAL CARE RESIDENTS



**Heather Honious**  
DVM



**Jennifer Ortolani**  
DVM



**Vibha Rajagopalan**  
Asokan  
DVM



**Nicole Trenholme**  
DVM

## SMALL ANIMAL MEDICINE & SURGERY ROTATING INTERNS



**Kayla Banks**  
DVM



**Blakeley Janacek**  
DVM



**Christina Korb**  
DVM



**Carissa Norquest**  
DVM



**Caroline Wood**  
DVM

## SMALL ANIMAL EMERGENCY & CRITICAL CARE TECHNICIANS



**Angela Brooks**  
RVT



**Jessica Dalton**  
RVT



**Stacie Declue**  
RVT



**Billie Gardner**  
VT



**Christina Guthrie**  
RVT



**Abby Hawkman**  
RVT



**Morgan Keys**  
RVT



**Rhonda Ochoa**  
RVT



**Jessica Rader**  
RVT



**Ruth Silverberg**  
RVT



**Emily Thompson**  
Westhues  
RVT

\*head of section



# NUTRITION



# PHYSICAL REHABILITATION SERVICES

We offer various services to assist with patient care which include:

- \* **Recommendations on therapeutic diet selection, implementation and follow-up plans.**
- \* **Custom diet formulation when an appropriate commercial therapeutic diet is not available, accepted or tolerated.**
- \* **Assisted feeding recommendations, including parenteral nutrition and indwelling tube feeding.**

Initiation of consultation is requested by phone (573-882-7821), in person, by email (mucvmnutrition@missouri.edu), or by fax (573-884-7563). A consultation request form can be downloaded from the VHC website ([http://www.vhc.missouri.edu/clin\\_nu.htm](http://www.vhc.missouri.edu/clin_nu.htm)). A fee is charged once it is agreed that our services would be useful in management of a case. Our fees vary with amount of time required for evaluation and formulation of recommendations. Because we are consultants we must provide services to owners through a primary-care veterinarian who has a client-veterinarian relationship and has evaluated the pet to be managed. Pertinent medical records should be submitted with consultation request forms. Agreed upon fees are to be paid by a referring veterinarian, who typically in turn requests payment from owners.

## NUTRITION FACULTY



**Robert Backus\***  
MS, DVM, PhD, DACVN  
Associate Professor  
Director  
Nestle-Purina Program  
in Small Animal  
Nutrition



**Allison Wara**  
DVM  
Clinical Instructor  
Program Director  
of Physical  
Rehabilitation and  
Nutrition Clinic

## NUTRITION RESIDENTS



Tabitha Hookey  
DVM



Megan Sprinkle  
DVM

## NUTRITION INTERN



Dan Su  
DVM

Physical rehabilitation is a proven modality for improving patient outcomes after surgery, restoring mobility, evaluating athletic performance, and most importantly, enhancing quality of life. The clinicians and technicians of the Physical Rehabilitation Service are part of the Veterinary Health Center team dedicated to providing exceptional care for your pet. Our service is co-directed by faculty members of the neurology/neurosurgery, nutrition, and orthopedic surgery services. The care of your pet is provided by a licensed veterinarian and a team of certified canine rehabilitation practitioners to ensure quality patient care and efficient client communications. We have a full-service rehabilitation center including an underwater treadmill, electric stimulation, therapeutic ultrasound, and low level laser for both in-patient and out-patient care. Since obesity can have a negative impact on a pet's mobility and lifespan, we also offer comprehensive weight loss plans formulated by our veterinary nutritionist to complement our physical therapy program. Our goal is to maximize your pet's recovery process and well-being through state-of-the-art physical rehabilitation techniques and optimal nutrition.

## FACULTY COORDINATORS



**Joan Coates**  
DVM, MS, DACVIM  
Professor  
Neurology/  
Neurosurgery



**Derek Fox**  
DVM, PhD, DACVS  
Associate Professor  
Orthopedic Surgery



**Daniela Mauler**  
DVM, PhD Candidate  
Assistant Teaching  
Professor Neurology/  
Neurosurgery



**Allison Wara**  
DVM  
Clinical Instructor  
Program Director  
of Physical  
Rehabilitation and  
Nutrition Clinic



**Robert Backus**  
MS, DVM, PhD, DACVN  
Associate Professor  
Director  
Nestle-Purina Program  
in Small Animal  
Nutrition

## REHABILITATION TECHNICIANS



**Stephanie Gilliam**  
Co-Coordinator  
RVT, VTS (Neurology)  
BS, CCRP



**Adrienne Siddens**  
Co-Coordinator  
RVT, CCRP

\*head of section

# INTERNAL MEDICINE

The small animal internal medicine service provides secondary and tertiary care to animals with complex disease processes. We work with your practice to form a health care team for the management of long term medical problems. We use specialized modalities including rhinoscopy, bronchoscopy, gastrointestinal endoscopy, and cystoscopy to facilitate disease diagnosis and treatment. Examples of diseases that our internists evaluate and treat include:

- \* **Respiratory disease, such as asthma in cats or chronic nasal discharge in dogs**
- \* **Gastrointestinal disease, such as pancreatitis or inflammatory bowel disease**
- \* **Liver disease, such as hepatic lipidosis or cirrhosis**
- \* **Kidney disease, such as urinary stones, chronic urinary infection, or renal failure**
- \* **Endocrine disease, such as Cushing's disease or diabetes mellitus**
- \* **Hematologic disease, such as hemolytic anemia or thrombocytopenia**
- \* **Infectious diseases, such as histoplasmosis, cytauxzoonosis, and antibiotic-resistant bacterial infections.**

## INTERNAL MEDICINE FACULTY



**Leah Cohn\***  
DVM, PhD, DACVIM  
Professor  
Associate Department  
Chair



**Amy DeClue**  
DVM, MS, DACVIM  
Associate Professor



**Marie Kerl**  
DVM, MPH, DACVIM,  
DACVECC  
Teaching Professor



**Carol Reiner**  
DVM, PhD, DACVIM  
Associate Professor

## INTERNAL MEDICINE RESIDENTS



**Jarred  
Jaffey**  
DVM, MS



**Megan  
vanEeden**  
DVM



**Aida  
Vientos-Plotts**  
DVM

## POST-DOCTORAL FELLOW



**Megan  
Grobman**  
DVM, MS

## MINIMALLY INVASIVE INTERVENTIONAL PROCEDURES

We are pleased to offer new minimally invasive procedures to treat blockages, shunts, some tumors and tracheal collapse. The small animal internal medicine service, cardiology and soft tissue surgery are now providing the following procedures:

- \* **Tracheal stenting**
- \* **Urethral stenting**
- \* **Ureteral stenting**
- \* **Intrahepatic portosystemic shunt occlusion**
- \* **Patent ductus arteriosus occlusion**
- \* **Chemoembolization of intrahepatic tumors**
- \* **Temporary nephrostomy drainage catheters for renal obstruction with pyelonephritis**
- \* **Nasopharyngeal stenting**
- \* **Colonic stenting**
- \* **Holmium laser lithotripsy.**

For information, contact Kelsey Blodgett at 573-882-7821

## INTERNAL MEDICINE TECHNICIANS



**Matt Haight**  
RVT



**Savannah Smith**  
RVT

## SMALL ANIMAL MEDICINE AND SURGERY ROTATING INTERNS



**Kayla  
Banks**  
DVM



**Blakeley  
Janacek**  
DVM



**Christina  
Korb**  
DVM



**Carissa  
Norquest**  
DVM



**Caroline  
Wood**  
DVM

\*head of section

# ONCOLOGY

The oncology service provides advanced, compassionate cancer care for animals. We coordinate and provide surgery, chemotherapy, radiation therapy and immunotherapy for animals with cancer. Clinicians and house officers strive to advance evidence-based cancer medicine among all species with an emphasis in comparative medicine research. Clinical trials may be available to help subsidize the costs of some cancer treatments.

<http://cvm.missouri.edu/oncology/current.html>

- \* **Consult service for veterinarians that handles approximately 1,000 consult calls annually**
- \* **Published academic literature by VHC oncologists is available through PubMed and a great resource for finding the latest treatment and diagnostic information for your patients**
- \* **Individualized treatment plans to meet the needs of both the client and the patient**
- \* **Access to cutting-edge imaging and therapy options through clinical trials**
- \* **Positron emission tomography (PET) imaging for detecting and staging tumors**
- \* **The latest CT and MRI scanners for accurate treatment planning**
- \* **Radiopharmaceuticals for diagnosis and treatment of various cancer types-only a few veterinary hospitals worldwide offer the variety of agents available at VHC**
- \* **State of the art linear accelerator for highly focused, effective radiation treatment for mast cell tumors, soft-tissue sarcomas, brain, and other tumor types**
- \* **Client support service available to assist clients with the emotional side of their pet's disease and helping them manage the challenges of caring for a cancer patient**
- \* **Knowledgeable, compassionate and skilled oncology and radiation therapy nurses**

## ONCOLOGY FACULTY



**Sandra Bechtel**  
DVM, DACVIM  
Associate Professor



**Jeffrey Bryan\***  
DVM, MS, PhD, DACVIM  
Associate Professor, Director  
Comparative Oncology  
Laboratory, Director Scott  
Endowed Program in  
Veterinary Oncology



**Brian Flesner**  
DVM, MS, DACVIM  
Assistant Professor  
Oncology



**Carolyn Henry**  
DVM, MS, DACVIM  
Professor of Oncology  
Associate Director of Research; Ellis Fischel  
Cancer Center  
Associate Dean for Research and Graduate  
Studies; College of Veterinary Medicine  
Mizzou Advantage Facilitator- One Health/  
One Medicine



**Kim Selting**  
DVM, MS, DACVIM-O,  
DACVR-RO  
Associate Teaching  
Professor

## RADIATION ONCOLOGY FACULTY



**Jimmy Lattimer**  
DVM, MS, DACVR,  
DACVR-RO  
Associate Professor



**Charles Maitz**  
DVM, PhD,  
DACVR-RO  
Assistant Professor  
Radiation Oncology



**Kim Selting**  
DVM, MS, DACVIM-O,  
DACVR-RO  
Associate Teaching  
Professor



**Tara Ehling**  
DVM, DACVR-RO  
Assistant Clinical  
Professor, Radiation  
Oncology

## ONCOLOGY TECHNICIANS



**Whitney  
Fahrendorf**  
RVT



**Maren Fleer**  
BS  
(Onco Research)



**Anastasia  
Glahn**  
RVT, BS



**Joni  
Lunceford**  
PET Scan, PT

## ONCOLOGY RESIDENTS



**Shirley  
Chu**  
DVM



**Kim  
Menard**  
DVM



**Sarah  
Rippy**  
DVM



**Katherine  
Robinson**  
DVM



**Jeff March**  
Radiation  
Oncology,  
VT



**Deborah Tate**  
RVT,  
VTS (Oncology)



**Megan Young**  
Radiation  
Oncology,  
RVT

\*head of section

# SMALL ANIMAL SURGERY

## ORTHOPEDICS

The veterinary orthopedics section is led by three internationally recognized faculty members. They have developed many cutting-edge procedures, including numerous minimally invasive fracture repair techniques, arthroscopic treatments, correction of limb deformities, and cartilage repair strategies. An outstanding group of resident and intern veterinarians also provide excellent care. The team includes registered veterinary technicians that help to ensure quality patient care and communication. They are all dedicated to improving the lives of their patients and providing exceptional customer service.

## SOFT TISSUE

The small animal soft tissue surgery service performs surgical procedures and offers surgical consults including abdominal, cancer, thoracic, reconstructive, head and neck, upper and lower airway, and rectal and perianal surgery, and wound management. The service sees patients referred directly from veterinarians, but a large percentage of clinical activity is helping manage patients presented to other clinical services (such as oncology, internal medicine, and emergency/critical care) that require surgical opinions or operative procedures.

- \* **CO<sub>2</sub> Laser surgery**
- \* **Minimally invasive surgery capabilities, such as laparoscopy and video-assisted thoracic surgery**
- \* **Advanced wound management and reconstructive procedures**
- \* **Minimally invasive urinary tract stone management**

### SMALL ANIMAL SURGERY FACULTY



**Derek Fox\***  
DVM, PhD, DACVS  
Associate Professor  
Orthopedic Surgery



**Jill Luther**  
DVM, MS, DACVS  
Assistant Teaching  
Professor Soft  
Tissue Surgery



**Tony Mann**  
DVM, MS, DACVS,  
DACVECC  
Professor Soft Tissue  
Surgery, Director Small  
Animal Emergency &  
Critical Care Service



**Emily Miller**  
DVM, MS, DACVS  
Assistant Teaching  
Professor Soft  
Tissue Surgery



**James Tomlinson**  
DVM, MVSc, DACVS  
Professor Orthopedic  
Surgery



**Bryan Torres**  
DVM, PhD,  
DACVS  
Assistant Professor  
Orthopedic Surgery

### SMALL ANIMAL SURGERY RESIDENTS



Brenna  
Barger  
DVM



David  
Hutcheson  
DVM



Erin  
Kishi  
DVM



Lauren  
Reeves  
DVM

### SMALL ANIMAL SURGERY TECHNICIANS



Alyssa  
Doner  
RVT



Priscilla  
Foster  
RVT



Melinda  
Jacobs  
RVT

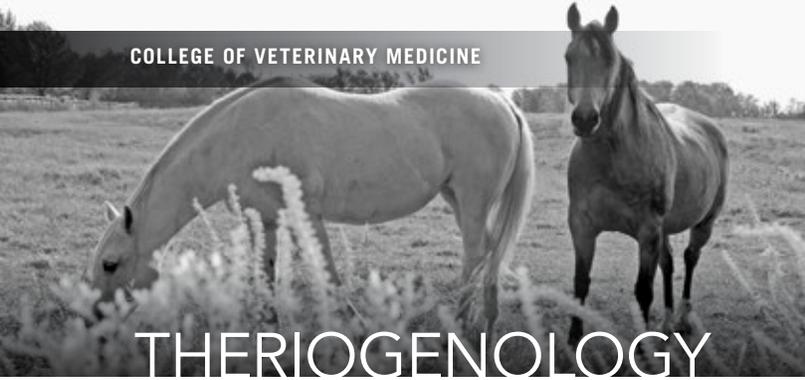


Michelle  
Lancaster  
RVT



Adrienne  
Siddens  
RVT, CCRP

\*head of section



# THERIOGENOLOGY

The theriogenology service provides routine and advanced breeding services for all domestic animals.

- \* Synchronization
- \* Artificial insemination
- \* Pregnancy diagnosis
- \* Breeding soundness examinations
- \* Embryo transfer
- \* Semen freezing
- \* Semen collection and shipment
- \* Diagnostic service for animals that suffer reproductive disease or infertility
- \* Emergency service for animals in dystocia

## THERIOGENOLOGY FACULTY



**Dawna Voelkl**  
DVM, DACT  
Assistant Teaching Professor



**Dietrich Volkman\***  
BVSc, MMedVet, DACT  
Teaching Professor

## THERIOGENOLOGY TECHNICIAN



**Sia Miller**  
RVT



# EXTENSION

The extension faculty serves the State of Missouri by providing veterinarians and producers with up-to-date information on the practice of veterinary medicine as it relates to production agriculture.

## EXTENSION FACULTY



**Corinne Bromfield**  
DVM  
Assistant Extension Professor of Swine Production Medicine



**Craig Payne**  
DVM, MS  
Associate Extension Professor (Beef)



**Scott Poock**  
DVM, DABVP  
Associate Extension Professor (Dairy)

# STAFF

**Stephanie Adams**, Communications  
**Karen Atkinson**, Equine Caretaker  
**Debbie Blaisdell**, Grants and Contracts  
**Jason Brandow**, Facility Supervisor  
**Megan Britton**, Pharmacy Technician  
**Makayla Brown**, Equine Caretaker  
**Kelly Burns**, Cashier  
**Rhonda Cleeton**, Large Animal Billing  
**Mandy Crane**, Small Animal Cashier  
**Janiene Dey**, Large Animal Medical Records  
**Carrie Duran**, DVM, PharmD, Pharmacist  
**Breezie Eaves**, Call Center  
**Teresa Egbert**, Supervisor Small Animal Staff  
**Patrick Ege**, Pharmacy Technician

**Becky Elias**, Supervisor, Large Animal Front Desk  
**Cheryl Elliott**, Fiscal Assistant  
**Debbie Evans**, Medical Records  
**Lori Freie**, Administrative Associate  
**Kelly Guardia**, After Hours Receptionist  
**Cathy Harmon**, Small Animal Billing  
**Bonita Hyler**, Supervisor CentralSupply  
**Billy Jamison**, Grants and Contracts  
**Charlene Klug**, Instrument Technician  
**Sasha Lister**, Small Animal Caretaker  
**Brian McGinty**, Food Animal Caretaker  
**Kim Morrison**, Human Resources  
**Michael Perkins**, PharmD, Pharmacist  
**Rebecca Peters**, Large Animal Receptionist

**Bobby Rankin**, Equine Caretaker  
**Crystal Richardson**, After Hours Receptionist  
**Raquel Riddle**, Office Support  
**Lance Rynning**, Stores Clerk  
**Megan Salmon**, Small Animal Receptionist  
**Connie Sievert**, Department Admin Assistant  
**Leslie Simmons**, Executive Staff Assistant  
**Dee Dee Smith**, Call Center  
**Jessica Taylor**, Small Animal Receptionist  
**Jennifer Terrock**, Call Center  
**Kim Terry**, Small Animal Caretaker  
**Ruth Tesfai**, Pharmacy Technician  
**Francesca Tocco**, Grief Counseling  
**Nora Vance**, Call Center

**Davida Wade**, Billing  
**Amanda Willis**, Medical Records

\*head of section



Veterinary Health Center-Wentzville, based in suburban St. Louis, has brought animal behavior, dermatology, expert diagnostic services and radiation therapy to the east side of the state. To contact the VHC-Wentzville facility, please call (636) 332-5041.

## BEHAVIOR

Our behavioral specialist provides personalized plans for owners of many different types of species to assist them in treating their animals' problem behaviors, improving the quality of their pets' lives, and restoring the rewarding human-animal bond between pets and people.



**Colleen Koch**  
DVM  
Animal Behavior

## DERMATOLOGY

Our board-certified dermatologist treats allergies, bacterial and fungal infections, ear infections, parasitic skin diseases, endocrine and metabolic disorders, immune-mediated diseases, skin tumors, nail and nail bed diseases and other dermatoses.

Services include:

- \* **Intradermal testing to identify allergies**
- \* **Injectable and oral allergen-specific immunotherapy**
- \* **Video otoscopy for deep ear flushes, myringotomies, bulla cultures and removal of foreign bodies and polyps from the ear canal**



**Karen Campbell**  
DVM, MS, DACVIM,  
DACVD  
Adjunct Clinical  
Professor of Veterinary  
Dermatology

## EDUCATIONAL PRESENTATIONS

In addition to its primary role as a cancer diagnostic and treatment center, VHC-Wentzville serves as a site for educational presentations by MU College of Veterinary Medicine faculty members to St. Louis-area veterinarians and pet owners.

## RADIATION ONCOLOGY & IMAGING

Radiation therapy can be utilized to treat tumors, to shrink tumors and to try to prevent the redevelopment of tumors. This improves clinical signs associated with tumors and veterinary patient quality of life. The Wentzville radiation oncology service offers this state of the art therapy conveniently located for St. Louis metro area pet owners.

VHC-Wentzville offers cutting-edge diagnostic capabilities and treatment options in state-of-the-art facilities:

- \* **Diagnostic x-ray**
- \* **Computed tomography (CT)**
- \* **Radiation Therapy**
- \* **Clinical trials of newly developed anti-cancer drugs**



**Tara Ehling**  
DVM, DACVR-RO  
Assistant Clinical  
Professor  
Radiation Oncology

### VHC-WENTZVILLE TECHNICIANS



Mary  
Flacke  
VT



Clarissa  
Frederking  
RVT



Diane  
Ragan  
RVT,  
LATG

### VHC-WENTZVILLE DIRECTOR



**Julie Wentz**  
DVM  
Director  
Veterinary Health  
Center - Wentzville

### VHC-WENTZVILLE RECEPTIONIST



Carla  
Zerbolio  
BS



Rebecca  
Wiseman  
RVT



Gaye  
Sponamore  
RT

## LOCATION

1092 Wentzville Parkway  
Wentzville, Mo 63385  
(636) 332-5041  
vhcw.missouri.edu/wentzville  
email: vhcw@missouri.edu

# RESEARCH CENTER FOR HUMAN-ANIMAL INTERACTION (RECHAI)

Founded in 2005, ReCHAI's mission is to study & promote the health benefits of human-animal interaction (HAI) for people and companion animals.

## RESEARCH PROJECTS

- \* Dog Presence and Children's Stress during Forensic Interviews for Child Abuse
- \* Puppies for Parole: Shelter Dog Training and Prison Inmate Behavior Outcomes
- \* Exploring Human-Companion Animal Interaction for Families of Children with Autism
- \* Effects of Shelter Dog Obedience Training on Veterans' PTSD Levels
- \* Owner Perceptions of Visits with their Hospitalized Dogs
- \* ICU Owner Visitation and Clinical Effects in their Hospitalized Dogs
- \* Seniors Fostering Shelter Dogs: Improving Health and Well-Being Together
- \* Walk a Hound, Lose a Pound and Stay Fit for Older Adults
- \* Effects of Equine Assisted Activities on PTSD Symptoms in Military Veterans
- \* Human-Animal Interaction for People in Transition

## COMMUNITY PROGRAMS

- \* TigerPlace Pet Initiative (facilitating pet ownership for older adults in a retirement residence through a pet care assistant and regular house calls by a MU faculty veterinarian)

## UNDERGRADUATE COURSE

- \* Human-Companion Animal Interaction (PSYCH 2830): The course is taken by approximately 100 students per semester

## RESEARCH CENTER FOR HUMAN-ANIMAL INTERACTION FACULTY & STAFF



# VHC CLINICAL TEACHING TIMES

# FAQs

Calls from referring veterinarians and identified as an emergency will be accepted at any time. However, during the times listed below, clinical services may not be available for consult calls from veterinarians.

SERVICE	MON-FRI	MON-TH	FRIDAY
SMALL ANIMAL	8-9 am		
INTERNAL MEDICINE	1:30-3:00 pm		
COMMUNITY PRACTICE, DENTISTRY, DERMATOLOGY	MON-FRI 8-9:30 am		
ORTHOPEDIC SURGERY	MON & WED 8-9 am, 1-5 pm TUES & THURS 9 am-6 pm		8-9 am 4-6 pm
SOFT-TISSUE SURGERY	4-5 pm		
SMALL ANIMAL EMERGENCY CRITICAL CARE	Always available for emergency calls and cases.		
NEUROLOGY	8-9 am 4-5 pm		
ONCOLOGY		MON 8-10 am TUES 8-9 am WED 8-9 am THUR 8-8:30 am FRI 8-10 am MON-FRI 3-4 pm	
OPHTHALMOLOGY	8-9 am	1-2 pm	
CARDIOLOGY	8-10 am		
RADIOLOGY	8-10 am		1-2 pm
FOOD ANIMAL MEDICINE & SURGERY	8-9 am		
EQUINE MEDICINE	9-10:30 am		
EQUINE SURGERY	8:30-9:30 am		

## FOR REFERRING VETERINARIANS ONLY

Small Animal Clinic  
866-895-7267

Food Animal Clinic  
866-844-3267

Equine Clinic  
866-234-3681

VHC-Wentzville  
636-332-5041

### CLIENT NUMBERS

Small Animal Clinic  
573-882-7821

Food Animal Clinic  
573-882-6857

Equine Clinic 573-882-3513

MEDICAL RECORDS FAX  
573-884-7563

CONTINUING EDUCATION  
573-882-7848



Stephanie Adams  
Communications  
Coordinator  
573-882-1372,  
adamssj@missouri.edu



Francesca Tocco  
Grief Counselor  
573-823-9405  
toccof@missouri.edu

## WHO WILL TREAT MY CLIENT'S ANIMAL?

This is a teaching hospital where students in their final two years of veterinary education have the opportunity to learn from our care of patients. They participate in patient care, but in no instance do they determine patient care. Indeed, clinical faculty supervise all student involvement with our patients. If an animal's illness requires hospitalization, a student who is knowledgeable about the animal will call the owner daily to update the owner on the animal's condition.

## WHAT CAN OWNERS EXPECT DURING THEIR APPOINTMENT?

We try our best to stay on schedule. Please ask clients to notify us as soon as possible if they are unable to keep an appointment. Completion of new patient forms may take a little extra time, so arriving a few minutes early for the first appointment is advisable. We will start a permanent record for each animal on their first visit. We ask the owner to complete a health history questionnaire on their animal and a registration form. Please send your client with a copy of the Patient Referral Form inserted into this guide, as well as a copy of the patient's records and radiographs. During the first visit, we will perform a complete examination. Following that, we will discuss with the client any treatment needed for current illnesses.

## WHAT CAN I TELL MY CLIENT ABOUT THE VHC FEES?

The VHC now offers a financing option to owners of animals being treated at its Columbia and Wentzville facilities. UAS Finance, of Kansas City, Mo.; provides financing for any approved VHC client with an estimated bill between \$300 and \$10,000. Owners can conveniently pre-qualify by calling the VHC at 573-882-7821 in advance of their appointment. Charges for office visits and procedures are determined by the time spent, materials needed, severity, and complexity of the problem. If an animal is hospitalized, we will provide a written estimate and keep the client apprised of costs by daily phone calls. Fees are payable upon discharge unless other arrangements are made in advance. Cases with estimates more than \$300 require a deposit of one-half of the high end of the estimate. We hope to make your client's visit to our Veterinary Health Center a pleasant experience. If your client would like to direct comments or concerns to us, they may call 573-882-7821 first and then complete the Customer Satisfaction Survey at [www.vhc.missouri.edu](http://www.vhc.missouri.edu).

## WHO NEEDS A REFERRAL APPOINTMENT?

An appointment is needed for all referral medicine and surgery cases. In order to schedule a referral appointment, please see the phone numbers on the left column of this page. Emergency cases do not require an appointment; however, information pertaining to the case from the referring veterinarian is helpful. It is not necessary to discuss the case with a clinician before a referral appointment; however, the care of the animal is enhanced when you send a letter summarizing previous tests and treatments (see enclosed Patient Referral Form). Referral cases are seen by either the faculty member on service or by a senior house officer under the guidance of a senior faculty member.

## GRIEF COUNSELING

Together in Grief, Easing Recovery (TIGER) provides direct support to VHC clients and assists students, interns, residents & clinicians with patient cases involving catastrophic illness and/or end of life.

## HOW CAN I ACCESS MY REFERRED PATIENTS' INFORMATION?

Visit [portal.cvm.missouri.edu](http://portal.cvm.missouri.edu) to retrieve information on your referred patients from our Referring DVM Portal.

## WEBSITE

Please suggest that your clients look at our website ([vhc.missouri.edu](http://vhc.missouri.edu)) prior to their visit to learn much more about our hospital.

THE UNIVERSITY OF MISSOURI  
VETERINARY HEALTH CENTER  
MU Renew Animal Clinic



*M*ore than 50% of the companion animal population in the US is overweight or obese. There are numerous health consequences associated with obesity including, but not limited to, osteoarthritis, diabetes mellitus, cardiorespiratory disease, various forms of cancer, and decreased lifespan. Diet and exercise are proven strategies for achieving ideal body weight, maintaining lean body mass, increasing mobility, and enhancing recovery after illness.

Our physical rehabilitation and nutrition clinic is committed to improving the health of dogs and cats by offering packaged plans that are individually tailored for both in-patient and out-patient care. We have a full-service physical rehabilitation center including an underwater treadmill to provide patients with a controlled physical activity regime in addition to a customized diet plan. Each visit, your pet will be cared for by a veterinary clinical nutritionist and a certified rehabilitation practitioner.

For additional information, please contact Dr. Allison Wara, Stephanie Gilliam or Adrienne Siddens (573-882-7821 or [mucvmrenew@missouri.edu](mailto:mucvmrenew@missouri.edu)).

*Teaching · Healing · Discovery · Service*

ADVANCED THERAPY, CLOSE TO HOME