LETTER FROM THE DIRECTOR

Thank you for continuing to support the University of Missouri Veterinary Health Center. The faculty, staff and students of MU’s Veterinary Health Center strive to provide excellent service for you, your clients, and their animals. In addition, your referrals help us train tomorrow’s veterinarians and develop new cures for animal disease. Your partnership in our mission is appreciated.

The Veterinary Health Center includes all the service units of the College of Veterinary Medicine and includes the Diagnostic Lab, Small Animal, Food Animal, and Equine Hospitals on the Columbia campus, Shelter Medicine, and our facilities in Wentzville and Kansas City.

This 19th edition of the Referring Veterinarians’ Guide is a resource to assist you in referring cases to the Veterinary Health Center. It provides:

- Information to facilitate referrals.
- A pictorial directory of faculty, house officers (interns and residents), and technical support staff by specialty or species area.
- Information about each clinical specialty.
- A referral form and map of the College of Veterinary Medicine campus (insert).
- A list of technical staff with referral communication responsibilities
- Clinic hours and toll-free telephone numbers.
- An index to help you conveniently find important information.

All of our faculty, staff, technicians and students do their utmost to provide an outstanding experience for your clients. Moreover, we strive to keep you ‘in the loop’ on the progress of your referral. We provide state-of-the-art diagnostic and therapeutic services using a team-based approach. To that end, we have recently welcomed the following new faculty members to our team:

Dr. Megan McCracken, Equine Surgery
Dr. C. Austin Hines, Food Animal Medicine & Surgery
Dr. Shirley Chu, Post-doctoral Fellow, Oncology
Dr. Cindy Cravens, Small Animal Community Practice
Dr. Megan Brophy, Small Animal Community Practice
Dr. Bridget Lyons, Small Animal Emergency and Critical Care
Dr. Jonathan Schaefer, Small Animal Emergency and Critical Care

We are constantly changing and adapting to provide a better learning experience for our students and to provide better service to you and your clients. Here are a few highlights from 2019:

- Our Small Animal Emergency and Critical Care section has experienced tremendous growth in the last few years. We have increased faculty and staff to accommodate the increase in caseload and to continue to improve the service that we provide to your clients. In the 2018 version of the guide, we listed 5 faculty members involved in the program of which 3 were doing double duty as anesthesiologists. This year we have 9 faculty, all of which are dedicated to Small Animal Emergency and Critical Care. Currently, we have 4 boarded Criticalists, plus 5 dedicated Emergency doctors. In addition, we have 12 Veterinary Technicians and 6 Veterinary Assistants supporting the program. We are better staffed than we have ever been to offer the very best of emergency and critical care.

- We’ve taken a short break in major equipment and facility building/remodeling in 2019. Instead we have concentrated on updating our mid-level equipment and smaller remodeling projects. We are currently planning on major remodeling efforts in Clydesdale Hall for 2020 to allow us to accommodate a larger caseload and to improve our efficiency.

- We continue to be leaders in cutting edge medicine and perform a variety of clinical trials that allow your clients access to treatments that are not yet available in most specialty centers. Our oncology, neurology, and internal medicine sections are the most active in this area.

- Our satellite clinics in Kansas City (Veterinary Health Center at Kansas City, Animal Emergency Center), and Wentzville (Veterinary Health Center at Wentzville), continue to grow, and we have made additions to the services provided. Drs. David Senter and Michelle LeRoy are now providing Dermatology services in our KC clinic one day per week, and we have increased our medical oncology caseload with the part-time addition of Dr. Shirley Chu. We anticipate offering additional services at both clinics in the future.

We have a new website, www.vhc.missouri.edu, which we would like you to check out, bookmark, and use often! We hope you will direct your clients to our site if you are considering referring them to the VHC. While the website will continue to expand, we would like to share some of the features already available to you:

For our Referring Veterinarians:

- Detailed information on how to make a referral
- What your clients can expect when they arrive at the VHC
- Printable referral forms to send along with your clients, including a place for you to share requests and concerns
- Information on consultative services, including radiographic and nutritional consultation forms
- Details on our new overnight transfer service, which allows your patients to spend the night in our ICU and return to your hospital the following morning
- Links to the rDVM portal, which gives you access to your patients’ test results and discharge instructions
- A satisfaction survey
For clients:
- Short video overviews of the food animal, equine and small animal hospitals as well as information on what to expect during their visit
- Responses to a large number of FAQs, including the roles of students, interns and residents in the care of patients
- Information on billing and financing policies and a link to pay bills online
- Links to our veterinary social worker, who can counsel clients facing difficult decisions or dealing with grief
- Detailed information on each of the VHC services and sections, including biographies, as well as information on diagnostics or diseases treated by each service.
- Driving directions and parking, lodging, and dining information

For both you and your clients:
- Information on clinical trials
- Links to make donations in honor of either people or pets

We think you will find the new website useful, and we welcome feedback as we continue to make improvements to better serve our partners and clients.

The VHC hospital continues to benefit from its close relationship with the Veterinary Medical Diagnostic Laboratory. The hospital and lab enjoy a strong synergy and work closely to solve complex problems for your clients. The laboratory offers a low cost pick up service for samples directly at veterinary clinics, and now offers next day service to Missouri, most of Illinois and Kansas and parts of Iowa, Nebraska, Kentucky and Indiana. Information on services provided by the laboratory can be found at www.wmdl.missouri.edu or by calling 1-800-862-8635.

We continue to upgrade our faculty, facilities, and equipment in order to provide your clients with excellent service and educate tomorrow's veterinarians. Your support of our mission through patient referrals, constructive feedback, and student mentorship is appreciated!

Again, please accept our heartfelt thanks for your support.

Sincerely,

David A. Wilson, DVM, MS, Dipl. ACVS
Adjunct Professor and Hospital Director
Veterinary Health Center

John R. Dodam, DVM, MS, PhD, Dipl. ACVA
Professor and Chair
Department of Veterinary Medicine & Surgery
EQUINE AMBULATORY, MEDICINE & SURGERY

AMBULATORY
The equine ambulatory program operates two trucks with two faculty veterinarians and three 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 internal medicine team 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.

- Equine internal medicine specialists
- Equine practice specialist
- Abdominal & thoracic ultrasonography & radiography
- Computed tomography (CT scan)
- Gastric, respiratory & urinary endoscopy
- Ophthalmology, dermatology & oncology
- Cardiology (echocardiogram & continuous telemetry)
- Neurology & neonatal foal medicine
- Gastroenterology (gastric ulcers, colic, and colitis)
- Myopathy & nutrition evaluations
- Dentistry & oral surgery
- Infectious disease management & isolation
- On-site endocrinology diagnostic testing (PPID;EMS)
- 24-hour emergency service and intensive care services

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.

- Equine surgery specialists
- 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.
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.

Services at the Veterinary Health Center
- Medicine and surgery specialists
- Full service hospital that caters to both inpatients and outpatients
- 24-hour emergency service
- 24-hour intensive care available for inpatients
- Indoor animal handling facility including rotating chute, squeeze chute with scale, and cattle transport chutes
- State of the art surgical facility
- Diagnostic imaging capability (radiography, ultrasound, CT, & MRI)
- Endoscopy
- Access to in-house specialists/experts in radiology, cardiology, ophthalmology, neurology, emergency and critical care, dentistry, dermatology, nutrition, and surgery

Ambulatory/Production Medicine
- Full service ambulatory service equipped for routine and emergency care of healthy and sick animals or groups of animals
- Medicine specialists
- Preventive medicine specialist
- 24-hour emergency service
- Preventive medicine
- Regulatory medicine (Certificates of Veterinary Inspection, TB testing, Brucellosis testing and vaccination)
- Disease outbreak investigation
- Herd-level production medicine consultation (Cow/Calf, Dairy, Feedlot, Swine, Sheep, Goats and Camelids)
- Reproduction

*head of section
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](image1)

DVM, DACT
Associate Teaching Professor

![Dietrich Volkmann*](image2)

BVSc, MMedVet, DACT
Teaching Professor

**THERIOGENOLOGY TECHNICIAN**

![Sia Early](image3)

RVT

**EXTENSION FACULTY**

 Craig Payne
DVM, MS
Associate Extension Professor (Beef)

Corinne Bromfield
DVM
Assistant Extension Professor of Swine Production Medicine

Scott Poock
DVM, DABVP
Associate Extension Professor (Dairy)

**EXTENSION SERVICES**

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](image4)

DVM
Assistant Extension Professor of Swine Production Medicine

![Scott Poock](image5)

DVM, DABVP
Associate Extension Professor (Dairy)

**THERIOGENOLOGY FACULTY**

![Craig Payne](image6)

DVM, MS
Associate Extension Professor (Beef)

**THERIOGENOLOGY TECHNICIAN**

Sia Early
RVT

**COLLEGE OF VETERINARY MEDICINE**

**STAFF**

Monica Andrews, SA Billing
Karen Atkinson, Equine Caretaker
Jennifer Baker, SA Office Support
Brett Bevill, Supervisor, Afterhours SA Staff
Joni Bohn, Supervisor, Central Supply
Jason Brandow, Facility Supervisor
Makayla Brown, Equine Caretaker
Becky Carter, LA Receptionist
Kelly Carter, Equine Caretaker
Serena Copeland, SA Caretaker
Carrie Duran, DVM, PharmD, Pharmacist
Teresa Egbert, Supervisor, Client Services Manager
Patrick Ege, Pharmacy Technician
Cheryl England, Office Support Assistant III Central Supply
Jackie England, Stores Clerk II
Debbie Evans, SA Medical Records
Lori Freie, Business Support Specialist Sr.

Katey Gacke, LA Receptionist
Qudus Ganiyu, Pharmacy Technician
Laura Graeler, LA Cashier
Cathy Harmon, Business Support Specialist II
Aleksa Hudson, Pharmacy Support Staff
Billy Jamison, Grants and Contracts
Sasha Lister, Stores Clerk II
Terry Lyons, Food Animal Caretaker
Whitney Martinez, SA Receptionist
Katie McBride, Business Support Specialist II
Mary McFillen, SA Communications
Brian McGinty, SA Caretaker
Kim Morrison, Business Support Specialist II
Flo Nelson, Office Support Associate
Michael Perkins, PharmD, Pharmacist
Jamie Phillips, Call Center
Bobby Rankin, Equine Caretaker
Michelle Ricketts, SA Receptionist

Raquel Riddle, SA Office Support
Kelly Cleveland Ruhrman, Medical Records
Connie Sievert, Department Assistant
Leslie Simmons, Executive Staff Assistant
Dee Dee Smith, Supervisor, Call Center
Jennifer Terrock, Call Center
Kim Terry, Instrument Technician
Ruth Tesfai, Pharmacy Technician
Francesca Tocco, Grief Counseling
Nora Vance, Call Center
Davida Wade, Supervisor, SA Office
David Whitesides, Stores Clerk II
Amanda Willis, SA Medical Records
Shan Wolf, SA Cashier

*head of section
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  
  Associate Professor
- John Dodam  
  DVM, MS, PhD DACVAA  
  Professor & Department Chair

**ANESTHESIOLOGY RESIDENT**

- Kelsey Fisher  
  DVM
- Charlotte Marquis  
  BVM&S (Hons), MRCVS

**ANESTHESIOLOGY TECHNICIANS**

- Jamie Brueggeman  
  RVT
- Sylvia Hohmeier, RVT  
  Justin Paige, RVT
- Jennifer Polkow-Haight, RVT  
  Laken Schwarzlöse, VT  
  Eevee Watson, RVT

**NEUROLOGY**

The neurology and neurosurgery service is led by faculty members who are specialists in veterinary neurology by the American College of Veterinary Internal Medicine or European College of Veterinary Neurology. 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
- Ji-Hey Lim  
  DVM, PhD  
  Clinical Instructor
- Dennis O’Brien  
  DVM, MS, PhD, DACVIM  
  Adjunct Professor Emeritus

**NEUROLOGY AND NEUROSURGERY RESIDENTS**

- Liz Curtis  
  DVM
- John Gagnepain  
  DVM
- Joe Koval  
  DVM
- Natalie Villani  
  DVM

**NEUROLOGY AND NEUROSURGERY SPECIALTY INTERN**

- Julianna Sabol  
  DVM  
  Comparative Neurology

**VETERINARY ASSISTANT**

- Amanda Barnhart

**NEUROLOGY AND NEUROSURGERY TECHNICIANS**

- Lesley Beck  
  RVT
- Brianna Morris  
  RVT

*head of section
RADIOLOGY

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: Quadramet (intravenous drug for treatment of metastatic bone cancer), and Theraspheres (trans arterial treatment of liver cancer), that are now approved for and commonly used in both veterinary and human medicine.
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**

- Kevin Donnelly
  DVM, MS, DACVO
  Assistant Teaching 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

- Elizabeth Giuliano*
  DVM, MS, DACVO
  Professor

**OPHTHALMOLOGY RESIDENTS**

- Kayla Banks
  DVM

- Allison Fuchs
  DVM

**VETERINARY ASSISTANTS**

- Peggy Hood

*head of section
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

**ONCOLOGY FACULTY**

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

Lindsay Donnelly  
DVM, MS, DACVIM  
Assistant Professor  
Oncology

Owen Skinner  
BVSc, DECVS, DACVS-SA, MRCVS, ACVS Fellow  
Surgical Oncology, Assistant Professor  
Surgical Oncology

Shirley Chu  
DVM, PhD  
Post-Doctoral Fellow

Brian Flexner  
DVM, MS, DACVIM  
Assistant Professor  
Oncology

Angela McCleary-Wheeler  
DVM, PhD, DACVIM  
Assistant Professor  
Oncology

**RADIATION ONCOLOGY FACULTY**

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

Charles Maitz  
DVM, PhD, DACVIR-RO  
Assistant Professor  
Radiation Oncology

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

**ONCOLOGY RESIDENTS**

Jason Couto  
DVM, MS  
Norquest  
DVM  
Przydrozny  
DVM  
Reich  
DVM, MS  
Ross  
DVM, MPH

**RADIATION ONCOLOGY RESIDENT**

Hayley Ashworth  
BVSc  
Radiation Oncology

**SURGICAL ONCOLOGY INTERN**

Aidan Chambers  
VMD  
Surgical Oncology Intern

**ONCOLOGY TECHNICIANS**

Anastasia Glaahn  
RVT, VTS (Oncology), BS

Melinda Jacobs  
RVT  
Lunceford  
PET Scan, PT  
March  
Radiation Oncology

**VETERINARY ASSISTANT**

Jeanna Moreno  
Deborah Tate  
RVT, VTS (Oncology)

Kaitlin Dobson
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 specialists in dermatology on staff in both Columbia and Wentzville.
- We provide a complete range of veterinary dermatology services including expertise in veterinary dermatohistopathology.

DERMATOLOGY FACULTY

Michelle LeRoy
DVM, DACVD
Adjunct Assistant Professor

Sandra Briesacher
DVM
Clinical Instructor

David Senter
DVM, DACVD
Adjunct Assistant Professor

Meagan Brophy
DVM
Clinical Instructor

Amie Burling
DVM, DACVP, DABVP (Shelter Medicine)
Assistant Teaching Professor

Cindy Cravens
DVM
Clinical Instructor

Eva Ulery
DVM
Clinical Instructor

COMMUNITY PRACTICE TECHNICIANS

Michelle Biermann
RVT

Brock Duke
RVT

Christina Guthrie
RVT

Julie Hull
RVT

Kacey Lundy
RVT

SMALL ANIMAL COMMUNITY PRACTICE

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 adoptability 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*
- *Infectious disease management*
- *Physical examination*
- *Behavioral assessment*

COMMUNITY PRACTICE FACULTY

Sandra Briesacher
DVM
Clinical Instructor

Meagan Brophy
DVM
Clinical Instructor

Amie Burling
DVM, DACVP, DABVP (Shelter Medicine)
Assistant Teaching Professor

Cindy Cravens
DVM
Clinical Instructor

Eva Ulery
DVM
Clinical Instructor

Katie Darr
DVM
Clinical Instructor

DERMATOLOGY RESIDENT

Lindsay McAuliffe
DVM

Carrie Duran
DVM, PharmD
Adjunct Assistant Professor

Alisa Hutchison
DVM
Clinical Instructor

Jackie Kleypas
DVM
Clinical Instructor

Richard Meadows*
DVM, DACVP
Curators Teaching Professor

Eva Ulery
DVM
Clinical Instructor

Leon Tu
DVM
Clinical Instructor

*head of section
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**

- Elizabeth Easley
  DVM
  Clinical Instructor
- Laura Elyse Hutcheson
  DVM
  Clinical Instructor
- Patrick Hunt
  DVM, MS
  Clinical Instructor
- Wendy Karnia
  DVM
  Adjunct Clinical Instructor
- Bridget Lyons
  VMD, DACVECC
  Assistant Professor

**SMALL ANIMAL EMERGENCY & CRITICAL CARE RESIDENTS**

- Zoe Bianco
  DVM
  SAECC Resident
- Bathilda Lake
  DVM
  SAECC Resident

**SMALL ANIMAL EMERGENCY & CRITICAL CARE TECHNICIANS**

- Maggie Dreyer-Shumert
  RVT
- Billie Gardner
  RVT
- Morgan Keys
  Supervisor, RVT
- August Ring
  RVT
- Mariangely Torres Rodriguez
  RVT
- Morgan Rost
  RVT
- Katy Vernon
  RVT, VTS (ECC), Relief Veterinary Technician

**VETERINARY ASSISTANTS**

- Jadah Bradley
- Cody Kimbell
- Caroline Menz
- Sarah Mueller
- Lauren Roewe
- Falen Singleton
- Auryetta Torres-Jeffry
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, cytomegalovirus, and antibiotic-resistant bacterial infections.

INTERNAL MEDICINE FACULTY

Leah Cohn
DVM, PhD, DACVIM
Professor
Associate Department Chair

Amy DeClue
DVM, MS, DACVIM
Professor

Carol Reiner
DVM, PhD, DACVIM
Professor

POST-DOCTORAL FELLOWS

Aida Vientos-Plotts
DVM, DACVIM

INTERNAL MEDICINE RESIDENTS

Matt Hull
DVM

Kristen Merrill
DVM

Christina Pacholec
DVM

Betsy Hernandez
DVM

Alba Stavri
DVM

INTERNAL MEDICINE SPECIALTY INTERNS

Matt Haight
RVT

Savannah Buckman
RVT

INTERNAL MEDICINE TECHNICIANS

SMALL ANIMAL MEDICINE AND SURGERY ROTATING INTERNS

Faolain Barrett
DVM, MRCVS

Elise Birkner
DVM

Mallory Horridge
DVM

Kaitlan Hovis
DVM

Brian Meyer
DVM

Abby Reising
DVM

Julia Remaks
DVM

Sarah Saad
DVM

MINIMALLY INVASIVE INTERVENTIONAL PROCEDURES

We are pleased to offer 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
- 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.

*head of section
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

Derek Fox  
DVM, PhD, DACVS  
Professor Orthopedic Surgery

Bryan Torres  
DVM, PhD, DACVS, DACVSMR  
Assistant Professor Orthopedic Surgery, Motion Analysis Laboratory

Janelle Corugedo  
DVM

Rachel Kurzbard  
DVM, MS

ADRIENNE SIDDENS  
Coordinator  
RVT, CCRP

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. 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

Rachel Kurzbard  
DVM, MS

Bryan Torres  
DVM, PhD, DACVS, DACVSMR  
Assistant Professor Orthopedic Surgery, Motion Analysis Laboratory

Janelle Corugedo  
DVM

Joan Coates  
DVM, MS, DACVIM  
Professor

Derek Fox  
DVM, PhD, DACVS  
Professor Orthopedic Surgery

NUTRITION RESIDENTS

NUTRITION SERVICES

PHYSICAL REHABILITATION SERVICES

Janelle Corugedo  
DVM

Rachel Kurzbard  
DVM, MS

**head of section**

**head of section**
The Small Animal Surgery Service is comprised of four divisions: Orthopedics, General Surgery, Surgical Oncology and the Motion Analysis Laboratory.

ORTHOPEDIC SURGERY
A full array of elective and emergency orthopedic procedures are offered including total hip replacement, joint arthroscopy, tibial plateau leveling osteotomy, PAUL osteotomies for elbow dysplasia, complex patellar luxation correction, limb alignment and deformity correction, fracture repair, minimally invasive techniques and the management of a wide variety of sports-related injuries. Diagnostic capabilities include radiography, MR, CT, ultrasound, kinetic/kinematic gait analysis and 3D printing.

GENERAL SURGERY
We offer emergency surgical care 365 days per year and provide advanced surgical procedures including abdominal, thoracic, reconstructive, head and neck, upper and lower airway, rectal and perianal, and wound management. Progressive, state of the art surgical options are also available such as laparoscopy and video-assisted thoracic surgery, minimally invasive urinary stone removal cystoscopic-guided urinary tract interventions, and CO2 laser surgery.

SURGICAL ONCOLOGY
Surgical Oncology functions as part of an integrated Oncology service with Medical Oncology and Radiation Oncology, with daily collaborative rounds to ensure that patients and their owners are provided with the treatment options that fit best for them. We are able to offer surgery for a wide range of tumors, including oral cancers, thyroid carcinoma, thymoma, pulmonary carcinoma, hepatic tumors, adrenal tumors, solid intestinal tumors, selected urogenital tumors, osteosarcoma, skin and subcutaneous cancers, and anal sac adenocarcinoma.

MOTION ANALYSIS LAB
This facility is designed to aid veterinarians with the evaluation, identification, and treatment of patients with musculoskeletal and neurologic conditions. It is equipped with advanced equipment for the study of motion—including systems to evaluate weight-bearing along with multiple camera systems to study motion. With this unique laboratory, our veterinarians can provide advanced testing with cutting edge gait analysis for companion animals with lameness and pain associated with osteoarthritis and joint disease, soft-tissue injuries, and for the monitoring of pain management and rehabilitation strategies.

SMALL ANIMAL SURGERY FACULTY

Derek Fox*  
DVM, PhD, DACVS  
Professor  
Orthopedic Surgery

Jill Luther  
DVM, MS, DACVS  
Assistant Teaching Professor  
General Surgery

Owen Skinner  
BVSc, DECVS, DACVS-SA, MRCVS, ACVS Fellow  
Surgical Oncology, Assistant Professor  
Surgical Oncology

Bryan Torres  
DVM, PhD, DACVS, DACVSMR  
Assistant Professor  
Orthopedic Surgery, Motion Analysis Laboratory

David Hutcherson  
DVM, DACVS - SA  
Assistant Teaching Professor  
Orthopedic Surgery

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

James Tomlinson  
DVM, MVSc, DACVS  
Adjunct Professor Emeritus

SMALL ANIMAL SURGERY RESIDENTS

Kim Aeschlimann  
DVM  
Surgical Oncology

Lisa Anderson  
DVM  
Surgical Oncology

Lauren Reeves  
DVM  
Surgical Oncology

Depinder Sidhu  
DVM  
Surgical Oncology

Ashton Story  
DVM  
Surgical Oncology

John Winston  
DVM  
Surgical Oncology

SMALL ANIMAL SURGERY SPECIALTY INTERNS

Barry Rehm  
DVM  
Surgical Oncology Intern

Elizabeth Tursi  
MLAS, BVMS  
Surgical Oncology Intern

Aidan Chambers  
VMD  
Surgical Oncology Intern

SMALL ANIMAL SURGERY TECHNICIANS

Alyssa Doner  
RVT  
Surgical Oncology

Rachel Downey  
RVT, Motion Analysis Lab

Priscilla Foster  
RVT

Danielle Hurd  
RVT

Michelle Lancaster  
RVT

Adrienne Siddens  
RVT, CCRP

*head of section
VETERINARY HEALTH CENTER – WENTZVILLE

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 behavior service 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, DACVB
Animal Behavior

DERMATOLOGY

Our dermatology service 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
- Use of carbon dioxide laser to remove skin growths and treat severe pododermatitis

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

Lindsay McAuliffe
DVM, Resident

EDUCATIONAL PRESENTATIONS

In addition to its primary role as a Specialty Veterinary Practice, VHC-Wentzville serves as a site for educational presentations by MU College of Veterinary Medicine faculty members to St. Louis-area veterinarians.

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

LOCATION

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

VETERINARY HEALTH CENTER | 900 EAST CAMPUS DRIVE | CLYDESDALE HALL | COLUMBIA, MO 65211
INFORMATION

The Veterinary Health Center in Kansas City is open and fully staffed to receive emergencies and hospitalized patient transfers after hours, weekends and holidays when referring veterinary general practices are closed. Patients admitted on emergency are triaged upon arrival and provided with lifesaving emergency care as necessary. Hospitalized patients from referring veterinarians can be transferred for overnight or weekend continued care for fluid therapy, injections and continued critical monitoring. All patients receive a complete evaluation by the emergency veterinarian on duty, and the client is informed of the findings of the examination. Full diagnostic capabilities are available including digital x-ray, diagnostic ultrasound and laboratory equipment. Diagnostic and treatment plans are recommended to the client and a complete estimate for emergency stabilization is provided. Emergency diagnostic, surgical, and treatment decisions are made on a case-by-case basis. The client receives a copy of diagnostic tests performed and a comprehensive report with discharge instructions. Communications with the primary care veterinarian for each patient seen during overnights and weekends include a fax or e-mail sent the next day to inform the pet’s veterinarian of initial findings. Patients may be transferred back to their regular veterinarian for continued care.

Dermatology services are also currently offered at the Veterinary Health Center at Kansas City one day per week. Please contact Dr. Senter or Dr. LeRoy at the Veterinary Allergy and Dermatology Clinic for an appointment. 913-381-3937

EDUCATIONAL PRESENTATIONS

In addition to its primary role as a Specialty Veterinary Practice, VHC-Kansas City serves as a site for educational presentations by MU College of Veterinary Medicine faculty members to Kansas City-area veterinarians.

LOCATION

8141 North Oak Trafficway
Kansas City, MO  64118
Phone: (816) 455-5430
Fax: (816) 455-5602
vhc.missouri.edu/veterinary-health-center-kansas-city/
email: MUCVMVHCKC@missouri.edu
Founded in 2005, ReCHAI’s mission is to study & promote the health benefits of human-animal interaction (HAI) for people and companion animals.

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

Timothy Brosi
Research Assistant and TigerPlace Pet Initiative

Gretchen Carlisle
PhD, MEd, RN (Research Scientist)

Pia Gomez
VM4 & Veterinary Research Scholar

Emily Rife
Research Assistant and TigerPlace Pet Initiative

**INFORMATION FOR REFERRING VETERINARIANS**

Please note: Toll-free numbers are for referring veterinarians only — they are not intended to be given to your clients.

<table>
<thead>
<tr>
<th>Small Animal Clinic</th>
<th>866-895-7267</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Animal Clinic</td>
<td>866-844-3267</td>
</tr>
<tr>
<td>Equine Clinic</td>
<td>866-234-3681</td>
</tr>
<tr>
<td>VHC-Wentzville</td>
<td>636-332-5041</td>
</tr>
<tr>
<td>Medical Records Fax</td>
<td>573-884-7563</td>
</tr>
<tr>
<td>Continuing Education</td>
<td>573-882-7848</td>
</tr>
</tbody>
</table>

**CLIENT NUMBERS**

<table>
<thead>
<tr>
<th>Small Animal Clinic</th>
<th>573-882-7821</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Animal Clinic</td>
<td>573-882-6857</td>
</tr>
<tr>
<td>Equine Clinic</td>
<td>573-882-3513</td>
</tr>
</tbody>
</table>

Mary McFifen
Communications Coordinator
573-884-9383
mcfiilenn@missouri.edu

**Website**
Please suggest that your clients look at our website (vhc.missouri.edu) prior to their visit to learn much more about our hospital.
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.

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>MON-FRI</th>
<th>MON-TH</th>
<th>FRIDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMALL ANIMAL INTEGRITY MEDICINE</td>
<td>8-9 am</td>
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<tr>
<td></td>
<td>1:30-3:00 pm</td>
<td></td>
<td></td>
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<tr>
<td>COMMUNITY PRACTICE, DENTISTRY, DERMATOLOGY</td>
<td>MON-FRI 8-9:30 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORTHOPEDIC SURGERY</td>
<td>MON &amp; WED 8-9 am</td>
<td>8-9 am</td>
<td>4-6 pm</td>
</tr>
<tr>
<td></td>
<td>1-5 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TUES &amp; THURS 9 am-6 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOFT-TISSUE SURGERY</td>
<td>4-5 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMALL ANIMAL EMERGENCY CRITICAL CARE</td>
<td>Always available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEUROLOGY</td>
<td>8-9 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4-5 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ONCOLOGY</td>
<td>MON 8-10 am</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>TUES 8-9 am</td>
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<td></td>
<td>WED 8-9 am</td>
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<td></td>
<td>THUR 8-8:30 am</td>
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<td></td>
<td>FRI 8-10 am</td>
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<td></td>
<td>MON-FRI 3-4 pm</td>
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<tr>
<td>OPHTHALMOLOGY</td>
<td>8-9 am</td>
<td>1-2 pm</td>
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<tr>
<td>CARDIOLOGY</td>
<td>8-10 am</td>
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<tr>
<td>RADIOLGY</td>
<td>8-10 am</td>
<td>1-2 pm</td>
<td></td>
</tr>
<tr>
<td>FOOD ANIMAL MEDICINE &amp; SURGERY</td>
<td>8-9 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EQUINE MEDICINE</td>
<td>9-10:30 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EQUINE SURGERY</td>
<td>8:30-9:30 am</td>
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</tbody>
</table>

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.

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.

HOW CAN I ACCESS MY REFERRED PATIENTS’ INFORMATION?
Visit portal.cvm.missouri.edu to retrieve information on your referred patients from our Referring DVM Portal. Coming spring of 2019.

WEBSITE
Please suggest that your clients look at our website (vhc.missouri.edu) prior to their visit to learn much more about our hospital.
We Now Have Practices in Three Missouri Communities

Columbia, MO
Full Service Veterinary Referral and Emergency Hospital with on-site Nationally Accredited Diagnostic Laboratory

Wentzville, MO (St. Louis Region)
Referral Hospital providing Dermatology, Oncology, Behavior and Imaging

Kansas City, MO
Emergency Veterinary Hospital