

OREGON STATE UNIVERSITY • COLLEGE OF VETERINARY MEDICINE
Lois Bates Acheson Veterinary Teaching Hospital

Directory of Clinical Services for Referring Veterinarians



Lois Bates Acheson (1915–2004)

**Oregon State University
College of Veterinary Medicine
Veterinary Teaching Hospital**

Magruder Hall
700 SW 30th Street
Corvallis, OR 97331-4801

Small Animal Hospital
541-737-4812 (Phone)

Large Animal Hospital
541-737-2858 (Phone)

A 1937 Oregon State University alumna, Lois Bates Acheson was a long-time supporter of the College of Veterinary Medicine. Her gift of \$21 million created a substantial endowment for veterinary medicine and funded its first endowed position, the deanship. In honor of her gift, the college has renamed the teaching hospital in memory of Lois Bates Acheson.



During her lifetime, Lois Bates Acheson built a scholarship endowment for veterinary students, and in her will, she bequeathed an estimated value of \$21 million to ensure quality veterinary education and research for generations to come.

Lois Acheson passed away in 2004, leaving a legacy of business and philanthropic accomplishments. Her tremendous gift to OSU's College of Veterinary Medicine will benefit thousands of animals and people through the improved research, diagnostic abilities, and educational opportunities she made possible.

Acheson's gift reflects her compassion for animals and her life achievements. She was an avid horseback rider, owned numerous dogs and always had a treat at the ready for any dog that crossed her path. Acheson credited her OSU education with her success in business, so when she wanted to support veterinary care, she looked to her alma mater.

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Lois Bates Acheson Veterinary Teaching Hospital

Hospital Administration



Helio de Moraes, DVM, MS, PhD
Diplomate, ACVIM
(Internal Medicine & Cardiology)
Hospital Director



Ron Mandsager, DVM
Diplomate, ACVAA
Associate Hospital Director



Keri Fisher-Horner
Administrative Assistant

Not pictured:

Sherry Sisson
Financial Services Manager &
Central Sterile Manager

Director's Note

We are pleased to provide you with this OSU Veterinary Teaching Hospital Directory of Services. We hope this will be a valuable source of information regarding our services. Our team of specialists is here to serve you. We are fortunate to have an excellent group of faculty, residents, interns, certified veterinary technicians, students and staff dedicated to patient care, client services, veterinary education, and clinical research.

We would like to thank you for the support throughout the years. We value our partnership and are committed to being your partner in caring for the health of your patients.

We also want to hear from you – if you note anything that we can be doing differently to improve the experience for your clients, your patients, or yourself, please let us know!

Overview

Oregon State University College of Veterinary Medicine is home to a talented and dedicated group of experts who cover the field of veterinary medicine passionately and compassionately. We demand the very best from all who participate in the process of caring for your clients' animals; who challenge and support students working toward their doctor of veterinary medicine degree; and who engage in clinical research that will help us satisfy the unmet medical needs of our animal companions.

Hospital Reception



Joe Hays



Steve Hoffman



Diana McElmurry

The OSU Veterinary Teaching Hospital values our partnership with referring veterinarians. We support the bond of trust between you and your clients and strive to strengthen that bond through high quality diagnostics and treatment.

The OSU Veterinary Hospital is comprised of the Small Animal Hospital, the Large Animal Hospital, and the Rural Veterinary Practice. In addition the Veterinary Diagnostic Laboratory is next door to our hospitals allowing us to diagnose and begin treatment sooner.

A team of 26 board-certified veterinarians in specialties ranging from anesthesiology to sport animal medicine and 36 certified veterinary technicians collaborate with each other, referring veterinarians, and clients to heal patients, treating all with respect and understanding.

Our patient roster includes nearly 10,000 dogs, cats, and large animals annually. Every referral experience presents new opportunities for learning, developing improved treatment options, and advancing the veterinary profession.



Kassi Weaver



Ashlee Williams

Not Pictured:
Chelsea Baker
Julie Preston-Sauter



Mandy Seals
Client Services Coordinator
mandy.seals@oregonstate.edu



Robyn Panico, CVT, VTS (Cardiology)
Patient Services Coordinator (Medicine)
robyn.panico@oregonstate.edu



David Meyer, CVT
Patient Services Coordinator (Surgery)
david.meyer@oregonstate.edu



Alisa Kraxberger, CVT
Patient Services Coordinator (Large Animal)
alisa.kraxberger@oregonstate.edu

Veterinary Teaching Hospital

Referral Procedures

Contact Information & Office Hours

Small Animal Hospital Reception & Appointments

541-737-4812 (Phone)
541-737-4818 (Fax)

Office Hours

Monday - Friday
8:00am - 5:00pm

Large Animal Hospital Reception & Appointments

541-737-2858 (Phone)
541-737-8651 (Fax)

Office Hours

Monday - Friday
8:00am - 5:00pm

24-hour emergency service
available 7 days a week:

Call 541-737-2858, listen
to instructions, and leave a
message. A doctor will return
your call within minutes.

Overview

Working as a team with practicing veterinarians, faculty and staff at the Veterinary Teaching Hospital have two complementary missions: As a referral center, we serve the public by providing expert medical and surgical care for companion animals and livestock. In addition, we are responsible for educating the next generation of veterinarians and veterinary specialists. Because of these dual missions, an appointment with the Veterinary Teaching Hospital takes longer than a typical veterinary visit.

The Veterinary Teaching Hospital does not receive state funds to subsidize the care of its patients so fees at the hospital are similar to those at private referral practices. The cost of diagnostic testing, hospitalization, and treatment varies depending on the complexity of the case and the treatment required. A cost estimate is routinely provided to the owner during the initial office visit. A deposit equal to 50% of estimated expenses is required at the time of hospitalization, and the balance is due upon the patient's discharge.

What to Expect at the Large Animal Hospital

Clients register their animals at the reception desk then, after admission paperwork is completed, they unload their animals under the direction of a technician or a member of the patient care team.

Other team members include a board-certified faculty member who will directly oversee patient care, a resident in training for board certification, and a certified veterinary technician. A fourth-year veterinary student will conduct a complete medical history and physical examination.

After the examination is complete, the veterinary student will discuss findings with the attending veterinarian. Options for diagnostic evaluation and treatment will be discussed with the client. As a referral center, we are often presented with animals having complex disorders resulting in critical illness. Occasionally, diagnosis and subsequent treatment plans cannot be developed until diagnostic information is obtained. Patients are usually hospitalized and medically supported until diagnostic information is available.

What to Expect at the Small Animal Hospital

A visit to the Small Animal Hospital usually begins with a complete medical history and physical examination performed by a senior veterinary student. After the examination is complete, the veterinary student will discuss findings with the attending veterinarian. The student and veterinarian then reconvene with the client to perform a final physical examination and provide recommendations. The complex disorders and critically ill patients referred to the Veterinary Teaching Hospital often require advanced or repeated diagnostic tests to ascertain the underlying problem and provide the best opportunity for successful treatment of the pet's disease. Therefore, in general, appointments begin in the morning, diagnostic tests are performed in the late morning and early afternoon, and the results are discussed, and patients are discharged in the afternoon.

Map

Magruder Hall is located on SW 30th St., between Western Boulevard and Washington Way, on the Oregon State University campus. The entrance to both large and small animal services is located at the north end of Magruder Hall.



Consultation Services

The Lois Bates Acheson Veterinary Teaching Hospital offers phone consultation services for you, our referring veterinarian. This service is provided to facilitate communication between you and our clinicians, and enables us to capture pertinent case information and provide informed consultation.

For Small Animal phone consults please call 541-737-4812, and for Large Animal phone consults please call 541-737-2858.

Large Animal Surgery

Faculty



Michael Huber, DVM, MS
Diplomate, ACVS
Associate Professor



Jill Parker, VMD
Diplomate, ACVS
Associate Professor



Stacy Semevolos, DVM, MS
Diplomate, ACVS
Associate Professor



Katja Duesterdieck-Zellmer,
Dr. med. vet., MS, PhD
Diplomate, ACVS
Assistant Professor

Overview

The large animal hospital surgery service offers state-of-the-art surgery including examination and evaluation by a board certified veterinary surgeon. We specialize in minimally invasive and advanced surgical techniques including arthroscopy, fluoroscopy, platelet rich plasma and stem cell injections. In addition, we offer evaluation of sporting horses for performance issues as well as management of injuries.

The large animal surgery service works side-by-side in an integrative, multi-disciplinary approach with other hospital specialists, including board certified radiologists, anesthesiologists and experts in pain management. Our goal is to provide your client's animal with the latest advancements in the treatment of complex conditions.

Surgery Residents



Barbara Hunter, DVM
Large Animal Surgery Resident



Kirsty Husby, DVM
Large Animal Surgery Resident

Advanced Techniques

Soft-tissue and orthopedic surgery

- Gastrointestinal
- Urogenital
- Respiratory
- Head & Sinus
- Musculoskeletal
- Fracture repair

Minimally invasive surgery

- Arthroscopy
- Tenoscopy
- Sinoscopy
- Laparoscopy
- Thoracoscopy
- Laser surgery
- Cryosurgery

Certified Veterinary Technicians



Garland Burdock, CVT



Shannon Casserly, CVT



Shawn Davis, CVT

Clinical Services

Large Animal Internal Medicine

Faculty



Christopher Cebra, DVM, MA, MS
Diplomate, ACVIM
Endowed Professor of Camelid Medicine
Chair, Department of Clinical Sciences



Erica McKenzie, BSc, BVMS, PhD
Diplomate, ACVIM & ACVSMR
Associate Professor



Keith Poulsen, DVM, PhD
Diplomate, ACVIM
Assistant Professor

Not pictured:

John Schlipf, DVM, MS
Diplomate, ACVIM
Assistant Professor

Overview

The Large Animal Internal Medicine Service provides scheduled and emergency care that encompasses the diagnosis and treatment of a wide range of acute and chronic health conditions including those affecting the urinary, metabolic, gastrointestinal, endocrine, hematologic, hepatic, and respiratory systems of horses, camelids, ruminants, and pigs. We combine state-of-the-art technology with the collective experience, expertise, and interests of our seasoned specialists. What makes us further unique is the support provided by specialist residents-in-training, senior veterinary students and licensed veterinary technicians, ensuring a team effort to provide comprehensive, tailored and compassionate diagnostic and treatment measures for your animal or herd.

Services

- Sports medicine
- Neonatal care
- Neurological care
- Cardiology
- High speed treadmill dynamic airway evaluation
- Brain Stem Auditory Evoked Response testing

Residents



Emma Gordon, BVSc
Internal Medicine Resident

Not pictured:

Trina Westerman, DVM
Internal Medicine Resident

Certified Veterinary Technicians



Sharon Wolf, CVT



Betsy Snyder, CVT

After-Hours Large Animal Emergency Services

Faculty



Marc Kinsley, DVM
Clinical Instructor

Contact Information

After-Hours Large Animal Hospital Emergency Services

24-hour emergency service available 7-days a week. Call 541-737-2858, listen to instructions, and leave a message. A doctor will return your call within minutes.

Overview

The After-Hours Large Animal Emergency Service provides care of patients with acute illness and injury and ongoing care for critically ill or injured animals twenty-four hours a day, seven days a week. Our team is comprised of experienced board-certified veterinary specialists, dedicated residents and interns, and highly skilled veterinary technicians. In addition, patient care is augmented by onsite access to a variety of clinicians representing many veterinary specialties, from anesthesiology to cardiology to diagnostic imaging.

The Large Animal Intensive Care Unit excels in managing patients recovering from major surgery, illness, or trauma as well as those patients requiring positive pressure ventilation or other specialized care.

This combination of excellent facilities, service-specific expertise, and access to leading minds in all specialties allows us to provide a level of critical care not available in any other veterinary hospital in the region.

Advanced Techniques

- Oxygen support
- Multimodal analgesia
- Component and whole blood transfusion
- Enteral and parenteral nutrition
- Intensive monitoring
- Vasopressor and positive inotropic support
- Custom composition intravenous fluids
- Mechanical ventilation

Rural Veterinary Practice

Faculty



Jacob Mecham, DVM, CVA
Assistant Professor



Jorge Vanegas, DVM, MPVM
Assistant Professor

Food Animal Practice

The OSU Rural Veterinary Practice provides students with hands-on experience through farm visits by our mobile veterinary clinic. Students can observe and assist with treatment for disease, mineral deficiencies, poisonings, and other disorders. Services offered include:

- Vaccinations
- Pregnancy exams
- Medical and surgical procedures
- Herd health
- Lameness
- Dentistry
- Herd consultation

Mobile Equine Veterinary Service

The OSU Mobile Equine Veterinary Service operates a fleet of fully-stocked veterinary treatment trucks. When your client's horse is treated by one of our mobile veterinarians, it is also supported by the largest team of board-certified veterinary specialists in Oregon including surgery, diagnostic imaging, reproduction and sports medicine. Mobile equine services include:

- Emergency care 24/7
- Preventative medicine
- Dentistry— Basic & Advanced
- Surgical procedures
- Radiography, Endoscopy and Ultrasound
- Lameness exams
- Prepurchase exams
- Reproductive services
- Nutritional consultation
- Acupuncture

Reproductive Medicine (Theriogenology)

Faculty



Charles Estill, VMD, PhD
Diplomate, ACT
Associate Professor



Hernan Montilla, DVM
Diplomate, ACT
Assistant Professor

Resident

Not pictured:

Clare Scully, DVM
Theriogenology Resident

Overview

The theriogenology service at Oregon State University's Veterinary Teaching Hospital offers reproductive services for both large and small animals. Our specialists also treat disorders of the reproductive organs of pets (vaginitis, prostatic disorders, and mammary disorders) and evaluate pediatric patients with congenital disorders.

Advanced Techniques

- Ovulation timing
- Breeding management
- Semen evaluation and handling
- Artificial insemination
- Pregnancy evaluation
- Obstetrics
- Pre-breeding and infertility evaluations

Certified Veterinary Technician



Betsy Snyder, CVT

Clinical Services

Cardiology

Faculty



Katherine Scollan, DVM
Diplomate, ACVIM (Cardiology)
Assistant Professor

Not pictured:

David Sisson, DVM
Diplomate, ACVIM (Cardiology)
Professor

Residents



Nicole LeBlanc, DVM
Cardiology Resident

Not pictured:

Courtney Smith, DVM
Cardiology Resident

Overview

The clinical cardiology service at the Oregon State University Veterinary Teaching Hospital offers the most current diagnostics and treatments for cardiac disease in both small and large animals. Advanced diagnostic modalities including echocardiography, electrocardiography (ECG), angiography, Holter monitoring, and cardiac computed tomography (CT) are available to assess congenital and acquired cardiac disease. The board certified cardiologists and residents offer innovative therapy including medical management of heart failure, minimally invasive treatment of congenital heart defects, and surgical pacemaker implantation.

Diagnostics

- 2 and 3-dimensional transthoracic echocardiography
- Transesophageal echocardiography
- 24-hour ambulatory electrocardiography (Holter monitor)
- Cardiac catheterization and angiography
- Cardiac Computed Tomography (CT)
- Acute and chronic heart failure management
- Minimally invasive PDA closure
- Balloon valvuloplasty of pulmonic stenosis
- Pacemaker implantation
- Systemic and Pulmonary hypertension treatment
- Arrhythmia management: Medical therapy and Electrical Cardioversion
- Heartworm treatment

Certified Veterinary Technicians



Amy Berry, CVT



Robyn Panico, CVT, VTS (Cardiology)

Oncology

Faculty



Shay Bracha, DVM, MS
Diplomate, ACVIM (Oncology)
Assistant Professor



Stuart Helfand, DVM
Diplomate, ACVIM
(Internal Medicine & Oncology)
Professor

Residents



Krystal Harris, DVM
Oncology Resident



Haley Leeper, DVM
Oncology Intern

Overview

The clinical oncology service provides the most current diagnostics and treatment for cancer in companion animals. The service offers coordinated medical and surgical oncology treatment. It also serves as a resource, providing the latest animal cancer information to referring veterinarians and pet owners.

Diagnostics

- Comprehensive biopsy procedures
- Cancer staging
- Immunophenotyping
- Cutting-edge diagnostic approaches

Therapy

- Chemotherapy
- Reconstructive surgery
- Immunotherapy
- Tyrosine kinase inhibitors
- Metronomic therapy
- Novel therapeutics
- Palliative radiotherapy
- Clinical trials
- Translational research

Certified Veterinary Technicians



Kate Brumbaugh, CVT

Not pictured:
Stephanie Zamora, CVT

Clinical Services

Small Animal Critical Care

Faculty



Lee Palmer, DVM
Diplomate, ACVECC
Assistant Professor

Certified Veterinary Technicians



Laura Beckwith, CVT



Jamie Vance, CVT



Chai Toren, CVT

Not pictured:
Meghan Hiatt, CVT
Janice Hutcheson, CVT
Cheryl Barnes, CVT

Overview

Oregon State University maintains a state-of-the-art small animal intensive care unit that offers 24-hour care for seriously or critically ill dogs and cats. Our facility is staffed with certified veterinary technicians as well as a staff veterinarian either on the premises or on call. The hospital is prepared to treat emergent and critical traumatic, surgical and medical cases.

Services Available

- In-house laboratory tests including hematology, chemical profiles, blood ammonia measurement, tests for hemostasis, blood gas analysis
- Diagnostic imaging including computed radiography and ultrasound
- Diagnostic/therapeutic techniques including thoracocentesis, chest tube placement, airway lavage, abdominocentesis
- Advanced monitoring techniques including electrocardiography, telemetry, pulse oximetry, arterial/indirect blood pressure measurement, central venous pressure, urine output
- Enteral and parenteral feeding capabilities
- Transfusion of blood and blood products
- Oxygen enrichment techniques including environmental, nasal and endotracheal administration
- Mechanical ventilation capability
- State-of-the-art pain management
- Access to specialists in anesthesiology, cardiology, internal medicine, oncology, surgery, and theriogenology

Intensive Care Unit Capabilities

- 24-hour patient care and monitoring
- Direct arterial and central venous pressure monitoring
- Oxygen-enriched treatment modalities
- Chest tube placement with continuous evacuation
- Parenteral nutrition and feeding tube placement
- 24-hour telemetric ECG, BP, and oximetry monitoring

Rehabilitation

Faculty



Wendy Baltzer, DVM, PhD
Diplomate, ACVS & ACVSMR
Associate Professor

Certified Veterinary Technician



Sarah Smith, CVT, CCRP

Rehabilitation Assistant



Krystina Fredrickson, LVA

Overview

The Small Animal Rehabilitation Unit has state-of-the-art diagnostic and therapeutic services for dogs and cats with a variety of conditions including spine, joint, bone, and systemic conditions. We have a complete service for the care and management of working and sporting dogs including gait analysis, 3D computed tomography, MRI and diagnostic ultrasound.

Each patient is assessed by a board-certified surgeon, or board-certified, sports medicine and rehabilitation clinician. Then a customized therapy plan is developed based on each patient's unique needs. Dogs can be boarded for extended therapy or we can provide in-depth instruction to clients so that they may continue treatments at home.

Advanced Techniques

- Rehabilitation therapeutic exercises with a certified rehabilitation therapist (CCRP)
- Therapeutic splints and supports
- Hydrotherapy (8' x 12' swimming pool)
- Underwater treadmill therapy
- Therapeutic laser- class 4
- Therapeutic ultrasound
- TENS (Transcutaneous Electric Nerve Stimulation)
- Neurological reeducation
- Pre- and Postoperative care
- Manual therapy and massage therapy
- In-patient boarding for treatment
- Acupuncture
- Therapeutic exercise equipment: Therapy balls, rolls, steps, carts, elastic bands, Cavaletti rails, obstacles, therapy toys

Conditions Treated

- Hip/elbow dysplasia
- Osteoarthritis
- Fracture/trauma recovery
- Muscle atrophy
- Intervertebral disk disease
- Cruciate ligament partial/full rupture
- Osteochondritis dissecans
- Wobblers
- Patella Luxation
- Infra/supraspinatus injury

Clinical Services

Small Animal Surgery – Orthopedic

Faculty



Wendy Baltzer, DVM, PhD
Diplomate, ACVS & ACVSMR
Associate Professor



Jennifer Warnock, DVM, PhD
Diplomate, ACVS
Assistant Professor

Certified Veterinary Technicians



April Darby, CVT



Melanie Garrett, CVT

Overview

The orthopedic surgery service offers evaluations and diagnostic workup of bone, joint, and spinal injuries and congenital abnormalities in dogs and cats. Our evaluations include a full examination by a board certified veterinary surgeon. In addition, we offer evaluation of sporting dogs for performance issues as well as management of injuries. We perform state-of-the-art surgery for the treatment of injuries including repair of broken bones (fractures), ruptured ligaments, strained tendons and torn muscles. We offer hip and elbow replacement for dogs as well as surgery for cruciate ligament disease, joint dislocation, spinal disk herniation and spinal fractures. We specialize in minimally invasive surgical techniques including arthroscopy, fluoroscopy, platelet rich plasma and stem cell injections. The orthopedic surgery service works side by side with the Small Animal Rehabilitation service to provide complete care of your animal's injuries both before, during and after surgery.

Advanced Techniques

- Total hip replacement
- Total elbow replacement
- Fluoroscopic assisted fracture repair
- Minimally invasive fracture and joint surgery
- Spinal neurosurgery
- Arthroscopy using HD 1080p equipment
- Platelet rich plasma and stem cell therapy
- Gait analysis using a 2-meter long pressure sensor with 8,000 sensors
- Osteochondrosis dissecans surgery
- Angular limb deformity correction with 3-D planning using computed tomography
- Cranial cruciate ligament surgery and rehabilitation

Surgery Residents



Jesse Terry, DVM
Small Animal Surgery Resident

Small Animal Surgery – Soft Tissue

Faculty



Milan Milovancev, DVM, MS
Diplomate, ACVS
Assistant Professor

Not pictured:

Katy Townsend, DVM
Diplomate, ACVS
Assistant Professor

Certified Veterinary Technicians



Eva Hayden, CVT

Not pictured:

Nichole Hovelsrud, CVT

Overview

The soft tissue & oncologic surgery service offers state-of-the-art care for your dog or cat when they require surgery not involving musculoskeletal (orthopedic) disorders. The faculty surgeons treat many cardiac, respiratory, gastrointestinal, endocrine, urogenital, and plastic (reconstructive) conditions using minimally invasive and advanced surgical techniques. We specialize in reconstructive surgery following trauma or tumor removal, microscopic surgery for vascular surgery and ureteral obstructions in dogs and cats, and minimally invasive surgery using cameras and special instruments in both the chest and/or abdomen. The small animal surgery service works side-by-side in an integrative, multi-disciplinary approach (e.g. with the Oncology, Cardiology, or Internal Medicine services) to provide your pet with a team of specialists with the latest advancements in the treatment of complex conditions.

Advanced Techniques

- Thoracoscopy
- Laparoscopy
- Plastic/Reconstructive surgery
- Negative-pressure wound therapy (e.g. “VAC”)
- Microvascular surgery
- Ureteral stenting & microscopic ureteral surgery
- Tracheal stenting
- Urethral stenting
- Oncologic (cancer) surgery using 3D computed tomography
- Cardiac surgery



Jennifer Ree, DVM
Small Animal Surgery Resident

Not pictured:

Louisa Ho, BVSc (Hons)
Small Animal Surgery Resident

Small Animal Internal Medicine

Faculty



Jana Gordon, DVM
Diplomate, ACVIM
Assistant Professor



Craig Ruaux, BVSc, PhD, MANZCVS
Diplomate, ACVIM
Assistant Professor



Helio de Moraes, DVM, MS, PhD
Diplomate, ACVIM
(Internal Medicine & Cardiology)
Hospital Director

Overview

The Internal Medicine service diagnoses and provides treatment for a wide range of life-threatening health conditions including renal, metabolic, gastrointestinal, infectious, endocrine, hematologic, respiratory, and liver disorders.

Advanced Techniques

- Arthrocentesis
- Bone marrow aspiration and core biopsy
- Continuous glucose monitoring
- High-definition Endoscopy
 - Bronchoscopy and rhinoscopy
 - Cystoscopy and uterohysteroscopy
 - Esophagoscopy and laryngoscopy
 - Gastroduodenoscopy and colonoscopy
- Feeding-tube placement
- Laser lithotripsy
- Ultrasound-guided kidney biopsy
- Treatment of nasal and sinus fungal infection

Interventional Medicine

Respiratory

- Nasopharyngeal stenting
- Tracheal stenting
- Tracheal balloon dilation
- Bronchoscopic-assisted tracheobronchial foreign body removal
- Fluoroscopic-assisted tracheobronchial foreign body removal
- CT-Guided lung biopsy

Interventional Medicine – Continued

Gastrointestinal

- Esophageal balloon dilation
- Esophageal stenting
- PEG: Percutaneous endoscopically-placed gastric tubes
- Jejunostomy through PEG tube
- Colonic stenting
- Laser ablation of colonic polyps
- Anorectal balloon dilation

Hepatobiliary

- Hepatic vascular stenting (for vascular obstruction secondary to tumors)
- Percutaneous transjugular coil embolization for PSS

Genitourinary

- Urethra
 - Urethral stenting
 - Urethral balloon dilation
 - CLA-EU: Cystoscopic-guided laser ablation of ectopic ureters
 - Laser lithotripsy for urethral stones
 - Antegrade urethral catheterization
- Bladder
 - Laser lithotripsy for bladder stones
 - Cystoscopic-assisted stone removal
 - Laser ablation of bladder polyps
- Ureter
 - Antegrade ureteral stenting
- Kidneys
 - Percutaneous nephrostomy tube placement
- Vagina
 - Laser ablation of polyps
 - Laser ablation of persistent paramesonephric remnant

Residents



Margaret Cohn-Urbach, BVSc
Internal Medicine Resident



Yuri Lawrence, DVM, MA
Internal Medicine Resident

Certified Veterinary Technicians



Sara Short, CVT

Not pictured:
Elisha Ramage, CVT

Support Services

Diagnostic Imaging

Faculty



Sarah Nemanic, DVM, MS, PhD
Diplomate, ACVR
Assistant Professor



**Susanne Stieger-Vanegas, Dr. med. vet.,
Mag. med. vet., PhD**
Diplomate, ECVI
Assistant Professor

Residents



Jennifer Fowler, DVM
Diagnostic Imaging Resident



Mark Iodence, DVM
Diagnostic Imaging Resident

Overview

The OSU Veterinary Teaching Hospital offers state-of-the-art diagnostic imaging services. Diagnostic imaging provides imaging services for all species of animals, including companion, large and exotic animals. Our service provides high quality, compassionate clinical care to patients through the use of medical imaging technology. Our services include radiography, fluoroscopy, computerized tomography (CT), magnetic resonance tomography (MRI), ultrasonography and nuclear medicine. Additionally we perform image-guided diagnostic interventional procedures. Our equipment is designed for examination of both large and small animals. A PACS system allows us to access the images of our patients from anywhere in the hospital.

Advanced Techniques

- Computed Radiography
- Routine and special procedures
- Fluoroscopy
- Swallowing studies
- Airway studies
- Vascular studies
- Ultrasonography
- Abdominal examinations
- Non-cardiac thoracic examinations
- Musculoskeletal examinations
- Ultrasound-guided diagnostic procedures (FNA and biopsies)
- Computed Tomography
- Patient evaluation of lesions in the head/brain, thorax, abdomen, musculoskeletal system
- Magnetic Resonance Tomography
- Brain or spinal cord examinations
- Soft tissue tumor evaluation
- Abdominal examinations
- Nuclear Scintigraphy
- Bone scans
- Undiagnosed lameness
- Infection
- Neoplasia (including metastasis)
- Transcolonic studies for evaluation of portosystemic shunts
- Glomerular filtration rate studies for evaluation of kidney function

Equipment

Computed Radiography

- Fuji digital radiography reading unit
- 2 small animal radiography units
- 1 overhead large animal unit
- 1 portable radiography unit

Fluoroscopy

- GE OEC-9800

Ultrasound

- Philips IU-22 ultrasound machine
- Hitachi portable ultrasound machine for research

Computed Tomography

- Toshiba Aquilion 64-slice scanner
- Including upgrade for cardiac gated CT
- Including large animal CT table to perform CT scans in horses and cows

Magnetic Resonance Tomography

- GE Signa Horizon 1 Tesla MRI unit

Nuclear Scintigraphy

- IS 2 gamma camera mounted to a free float lift system
- Mirage nuclear medicine processing software.

Imaging Staff



Christina Bradbury, RDMS



Becki Francis, CVT



Kristy Opsal, ARRT (R, MRI)



Jason Wiest, ARRT (R, CT)

Support Services

Anesthesiology

Faculty



Ron Mandsager, DVM
Diplomate, ACVAA
Associate Professor



Thomas Riebold, DVM
Diplomate, ACVAA
Professor

Resident



Chiara De Caro Carella, DVM
Anesthesia Resident

Overview

The anesthesiology service is comprised of two board-certified anesthesiologists, one AVTA certified anesthesia technician, two certified veterinary technicians, and one resident in training. The anesthesia section is well equipped to provide high quality anesthesia care to large and small animal patients presented to our service by the other hospital services. Our focus is on the overall well-being of the patient, allowing clinicians within our hospital to focus on the particular surgical or diagnostic procedure being performed. Our service provides general anesthesia, regional anesthesia and acute pain management for approximately 1,000 patients a year.

Advanced Techniques

- Sedation and general anesthesia for a wide variety of high risk patients and special procedures
- General anesthesia for minimally invasive procedures
- Management of difficult airway
- Advanced monitoring techniques including electrocardiography, pulse oximetry, arterial blood pressure, capnography, anesthetic agent analysis, and arterial blood gas analysis.
- Use of infusion pumps and syringe pumps to tailor administration of supportive medication to critically ill patients.
- Use of anesthesia record keeping software for anesthetized animals to increase patient safety
- Regional anesthetic techniques including epidural and brachial plexus anesthesia/analgesia
- Mechanical ventilation

Certified Veterinary Technicians



April Simons, CVT,
VTS (Anesthesia)



Jenn Houston, CVT



Shauna Smith, CVT

Interns, Clinical Fellows and Staff

Small Animal Interns



Yamir Reina, DVM



Brandon Heikes, DVM



Silvia Funes, DVM



Eric Olson, DVM

Large & Small Animal Staff



Annie Gonzalez
Animal Care Attendant



Lisa Aguilera, CVT
SA/LA Float Tech



Brandy Hlavinka, CVT
LA Float Tech



Raneen O'Connor, CVT
LA Float Tech



Jessica Okhuysen, CVT
LA Float Tech

Large Animal Clinical Fellows



Jackie Hill, DVM



Rose Baker, BVMS

Farm Manager



Lionel Snyder, Farm Manager

Not pictured:

Mary Lou Smith, CVT, LA Float Tech

Shelley Brown, CVT, Central Sterile Tech

Robyn Cheung, CVT, SA Float Tech

Tammy Gigoux, CV, Central Sterile Tech

Deb Masciulli, CVT, LA Float Tech

Amy Nations, CVT, SA Float Tech

Pharmacy

Faculty



Brian Bowers, PharmD
Associate Director



Bill Boyce, RPh
Director



Rosita Proteau, PharmD
Pharmacist

Mission Statement

At Lois Bates Acheson Veterinary Teaching Hospital at Oregon State University College of Veterinary Medicine the pharmacy's mission is to serve our patients and students with the highest standards of pharmaceutical care. This includes teaching and targeting future and current veterinarians, other healthcare professionals, and providing a fundamental pharmacy practice that enables professional development as the highest priority. This professional development promotes the sole idea of maintaining safe and efficacious use of pharmaceuticals that relate to providing optimal therapy towards our patients.

Services Offered

The Acheson Teaching Hospital Pharmacy at OSU CVM offers a variety of services for our patients and referring veterinarians. Our pharmacy department is licensed as a dual retail and institutional pharmacy which allows prescription orders to be used as an inpatient and outpatient basis, making pharmaceutical drug products accessible to meet the needs of our patient's therapeutic needs. In addition, pharmaceutical product selection is maintained to meet patients' needs from commercial products and limited drug compounding.

Office Hours

Monday - Friday
8:00am - 5:00pm

Pharmacy Staff



Jeff Holland, Pharmacy Tech



Alyssa Tucker, Supply Tech

Veterinary Diagnostic Laboratory

Contact Information

Veterinary Diagnostic Laboratory
541-737-3261 (Phone)
541-737-6817 (Fax)
vet.diagnostic@oregonstate.edu

Office Hours

Monday – Friday
8:00am – 5:00pm

Closed from 12:00pm to 1:00pm

For laboratory results, please call
during regular office hours.

Receiving Hours

Monday – Friday
8:00am – 5:00pm

Test Submission

A list of all available tests and a
submission form are available at
vetmed.oregonstate.edu/diagnostic

Overview

The Veterinary Diagnostic Laboratory (VDL) provides a full range of animal disease diagnostic services to veterinarians, livestock producers, and pet owners. The VDL also promotes public health and agricultural biosecurity through testing and surveillance for zoonotic and foreign animal diseases. Our services are provided with a focus on quality, accuracy, and timeliness. VDL diagnosticians are readily accessible for case consultation and test interpretation. The VDL's rigorous quality assurance program and accreditation by the American Association of Veterinary Laboratory Diagnosticians (AAVLD) are your assurance of the highest quality testing and consultation services.

VDL Diagnostic Services

- Bacteriology/Mycology/Parasitology
- Biopsy/ Histopathology
- Clinical Pathology
- Immunocytochemistry
- Immunohistochemistry
- Molecular diagnostics
- Necropsy
- Serology
- Virology
- Toxicology*

*Toxicology services are accessed through cooperating AAVLD-accredited laboratories.

Programs & Services for Practice Owners



Kelley Marchbanks
Director of Development
541-737-8274

The Pet Memorial Fund Condolence Card Program

The Pet Memorial Fund Condolence Card Program is a service provided to veterinary practices that enables veterinarians and clinic staff to honor the memory of client's pets with a gift to support the future of veterinary medicine through scholarships at the Oregon State University College of Veterinary Medicine.

Through the program, your clients will receive a personalized condolence card letting them know that you, as a practice owner, attending veterinarian, or staff member, have made a donation to OSU to support student scholarships. (The amount of donation will not be disclosed.) Each month, the College will send you a list of cards we sent out on your behalf.

The Pet Memorial program is a simple but effective way to build a lasting bond with your clients while making a significant impact on the success of Oregon veterinary students.

To participate in the Pet Memorial program, just submit the form (page 30) in one of these ways:

- Print and mail to OSU CVM Pet Memorial Program; 200 Magruder; Corvallis, OR 97331
- Print and fax to 541-737-4245

The College will send you a statement that lists the clients who received cards and the total donation amount due for the month (suggested donation of \$10 per pet). The statement will include a self-addressed envelope you can use to send back your tax-deductible donation, payable to the OSU Foundation.

For more information, contact Kelley Marchbanks, Director of Development, OSU College of Veterinary Medicine: 541-737-8274.

The Veterinary Practice Scholarship Program

The average debt for a graduating veterinary student in the U.S. today is \$142,000. That daunting figure is discouraging many talented young people with an interest in animal medicine from pursuing a veterinary career. As a veterinary practice owner, you can do something about it.

Conceived by John Maddigan, an Oregon veterinary practice owner, the OSU Veterinary Practice Scholarship Program is a partnership with the Oregon Veterinary Medical Association's Animal Health Foundation. With more than 500 veterinary practices in Oregon, it has the potential to raise enough money to make tuition affordable for every resident veterinary student currently enrolled at OSU.

Here's an example of how it works: At Maddigan's Willamette Valley Animal Hospital in Keizer, Oregon, each exam receipt has a notation that reads "Fifty cents of your exam fee is being donated to provide a scholarship for an OSU veterinary student." In an average year they raise more than \$6,000 and their clients are overwhelmingly supportive.

Benefits for practice owners

- Demonstrates strong community support and outreach by supporting the education of Oregon residents
- Helps graduates be financially able to consider practice ownership when not faced with crippling debt
- Shows commitment to students mentored by established veterinarians
- Adds value to your clients experience by working for a greater good

Benefits for clients of veterinary clinics

- Builds confidence in their local veterinarian as a true community partner with an inherent interest in supporting today's youth to become the veterinarians of tomorrow
- Helps clients identify with veterinary medicine through the faces of scholarship recipients from within their own communities

Benefits for Oregon

- Through the collective efforts of individuals already committed to the health and well-being of animals we can invest in our state by educating tomorrow's professionals.
- Exceptional students from communities across Oregon will be able to return to their home town to serve as leaders. New veterinarians will no longer be forced to seek employment in urban areas where salaries are high enough to cover loan payments.

**VETERINARY CLINIC/HOSPITAL
PET MEMORIAL PROGRAM FORM**

To participate in the Pet Memorial Program please follow these steps:

- Use the Pet Memorial Program Form (available online at <http://oregonstate.edu/vetmed/veterinarians/pet>)
- Fill out all information clearly. If you are sending cards to multiple clients, enter each owner's address, name and pet information on separate rows.
- Submit the form (please make a copy for your records)
 - Forms can be submitted electronically through the form available online
 - Forms can also be printed and mailed to: OSU CVM Pet Memorial Program; 200 Magruder; Corvallis, OR 97331
 - Forms can also be printed and faxed to: 541-737-4245
- Each month we will send you a statement that summarizes the cards we sent out on your behalf during the month and the total donation amount (suggested donation of \$10 per pet) due for the month. The statement will include a self-addressed envelope you can use to send back your tax-deductible donation, payable to the OSU Foundation.

Clinic Name: _____ Clinic Phone _____

Clinic Address: _____

<p>Attending Veterinarian: _____</p> <p>Client Name(s): _____</p> <p>Client Address: _____</p> <p>City, State and Zip: _____</p> <p>Pet's Name: _____</p> <p>Pet Species and Breed: _____</p>	<p>Attending Veterinarian: _____</p> <p>Client Name(s): _____</p> <p>Client Address: _____</p> <p>City, State and Zip: _____</p> <p>Pet's Name: _____</p> <p>Pet Species and Breed: _____</p>
<p>Attending Veterinarian: _____</p> <p>Client Name(s): _____</p> <p>Client Address: _____</p> <p>City, State and Zip: _____</p> <p>Pet's Name: _____</p> <p>Pet Species and Breed: _____</p>	<p>Attending Veterinarian: _____</p> <p>Client Name(s): _____</p> <p>Client Address: _____</p> <p>City, State and Zip: _____</p> <p>Pet's Name: _____</p> <p>Pet Species and Breed: _____</p>
<p>Attending Veterinarian: _____</p> <p>Client Name(s): _____</p> <p>Client Address: _____</p> <p>City, State and Zip: _____</p> <p>Pet's Name: _____</p> <p>Pet Species and Breed: _____</p>	<p>Attending Veterinarian: _____</p> <p>Client Name(s): _____</p> <p>Client Address: _____</p> <p>City, State and Zip: _____</p> <p>Pet's Name: _____</p> <p>Pet Species and Breed: _____</p>

Phone: 541-737-3261

Fax: 541-737-6817

Email: vet.diagnostic@oregonstate.edu

Website: <http://oregonstate.edu/vetmed/>

Oregon State University
VETERINARY DIAGNOSTIC LABORATORY
30th & Washington Way
134 Magruder Hall
PO Box 429
Corvallis OR 97339-0429

For VDL Use Only

Rec'd by _____

Owner _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

County _____

Previous Accessions _____

Clinic _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-mail _____

Veterinarian _____

☐ E-mail report ☐ Fax Report ☐ Mail (\$1 add'l chg)

VDL Account # _____

ANIMAL INFORMATION

No. animals included in this submission _____ No. animals in affected group _____ No. sick animals _____ No. dead animals _____

Animal Name _____ Species _____ Breed _____ Sex _____ Age _____ (da.wk.mo.yr.)

Date _____ Date _____ Duration _____ circle one circle one

Specimen(s) taken ____/____/____ Submitted ____/____/____ This Illness _____ (da.wk.mo.yr.) Died ____/____/____ Euthanized (Yes/No)

SPECIMEN(S) SUBMITTED (indicate number of each sample type):

____ Animal, Live	____ Feces	____ Blood, whole
____ Animal, Dead	____ Milk	____ Plasma
____ Fetus	____ Swab (origin) _____	____ Serum
____ Placenta	____ Urine <input type="checkbox"/> Voided <input type="checkbox"/> Catheterized <input type="checkbox"/> Cystocentesis	____ Other _____ (specify)
____ Tissue <input type="checkbox"/> Fixed <input type="checkbox"/> Fresh		

TEST(S) REQUESTED

Consult website for Fee Schedule and List of Available Tests

- ☐ **Necropsy + Complete Diagnostic Work-up**
- ☐ **Necropsy Only**
- ☐ **Histopathology** (Source) _____
- ☐ **Bacteriology**
 - ☐ Culture Only
 - ☐ Culture & Sensitivity
 - ☐ Anaerobic Culture
 - ☐ Other _____
- ☐ **Mycology** (Fungal Culture)
- ☐ **Parasitology** (Specify) _____
- ☐ **Molecular Diagnostics**
 - ☐ Mycoplasma haemolama PCR
 - ☐ Other PCR (Specify) _____
- ☐ **Serology**
 - ☐ Abortion
 - ☐ Respiratory
 - ☐ Other (Specify) _____
- ☐ **Virology**
 - ☐ Buffy Coat (BVD)
 - ☐ Electron Microscopy
 - ☐ Virus Isolation
 - ☐ Other (Specify) _____

- Clinical Pathology**
- ☐ **Cytology** (Source) _____
 - ☐ **Urinalysis**
 - ☐ **CBC** (EDTA blood) - WBC, RBC, Hgb, PCV, Platelets, Diff., P. Prot., Fibrin.-large animal only
 - Large Animal Chemistry Profiles** (2 ml serum or heparinized plasma)
 - ☐ Complete - BUN, Creatinine, Glucose, T. Prot., Alb, T. Bili., SDH, AST, GGT, CK, Ca, P, Na, K, Cl, Mg, CO₂, Anion Gap
 - ☐ Lipid - BHBA, NEFA, Triclycerides
 - ☐ Liver - BUN, T. Prot., Alb, T. Bili., ALP, CK, GGT, AST, SDH
 - ☐ Metabolic - Complete profile plus BHBA, NEFA, Cholesterol
 - ☐ Musculoskeletal - AST, CK, Ca, P, Mg
 - ☐ Renal - BUN, Creatinine, T. Prot., Alb, AST, Ca, P, Na, K, Cl, Glucose
 - Small Animal Chemistry Profiles** (2 ml serum or heparinized plasma)
 - ☐ Complete - BUN, Creatinine, Glucose, T. Prot. Alb, T. Bili., CK, GGT, ALT, ALP, Cholesterol, Ca, P, Na, K, Cl, CO₂, Anion Gap
 - ☐ Liver - BUN, Glucose, Cholesterol, Alb, T. Bili., ALP, GGT, ALT
 - ☐ Renal - BUN, Creatinine, Alb, NA, K, Cl, P
 - ☐ **OTHER** _____

Dorsal LESION SITE Ventral



History, Treatment, Vaccinations, Special Instructions: _____

(continue history on back)

Contact Information

Director's Office

541-737-6827 (Phone)

541-737-6879 (Fax)

vth.directors@oregonstate.edu

Large Animal Reception

541-737-2858 (Phone)

541-737-8651 (Fax)

la.reception@oregonstate.edu

Veterinary Diagnostic Lab

541-737-3261 (Phone)

541-737-6817 (Fax)

vet.diagnostic@oregonstate.edu

Small Animal Reception

541-737-4812 (Phone)

541-737-4818 (Fax)

sa.reception@oregonstate.edu



www.vetmed.oregonstate.edu/hospital