Small Animal Surgery Residency Program

Department of Surgical Sciences

Introduction
The Department of Surgical Sciences, in cooperation with other departments at the University of Wisconsin-Madison, offers a 3 year program of study leading to a certificate of residency training. An alternative option of participating in a 4 year program that would also lead to the Master of Science degree is also available. The residency training is administered by the Department of Surgical Sciences, with the clinical advisor selected from the small animal surgery faculty. The M.S. degree program (admission, evaluation of research, and award of the degree) is administered by the appropriate graduate department and by the Graduate School. The major professor of the M.S. degree candidate should be a member of the Department of Surgical Sciences who also holds an affiliate appointment in the selected graduate department.

Tibial Plateau Leveling Osteotomy (TPLO) Surgery
Madison
Madison is the state capital of Wisconsin and has a population of more than 300,000 people including over 40,000 university students. It located in south central Wisconsin; Milwaukee is 50 miles east, Chicago is 150 miles southeast and the Twin Cities of Minneapolis and St. Paul are 260 miles northwest.

Madison lies on an isthmus between two lakes and, with two additional smaller lakes, has 180,000 acres of water. The city has 150 parks including the six-acre Vilas Park Zoo and the 1,270-acre University of Wisconsin arboretum, which has 24 miles of foot trails. There are extensive bikeways and numerous tennis courts and golf courses.

Aerial View from Lake Monona looking towards Convention Center and Capital

Madison is a center for cultural events and it and the surrounding Dane County offer many natural attractions and recreational activities. Madison's elevation averages 860 feet above sea level, and the terrain in Dane County varies from open with rolling slopes to hilly with steep valleys.

The Madison public school system is among the best in the Midwest, and its innovative educational program is nationally recognized for its excellence.

Madison’s economy is stable and diverse. The largest employers in the city are state government and the university. Insurance, finance, and real estate are major industries. The international headquarters of several large insurance companies are located here. Several manufacturing companies are located in Madison, and they produce both durable and nondurable goods. Several federal offices, as well as a Veterans Administration Hospital, and many research and testing laboratories are located in Madison.

Updated December 9, 2014 - Holzman
The University of Wisconsin-Madison

Founded in 1849, the University of Wisconsin-Madison is internationally known for its educational quality and outstanding faculty. The University ranks third among universities in the U.S. in federally funded research and first among all state supported universities in obtaining all types of research and development funds. The UW-Madison campus has more than 2,300 faculty members and 125 departments, including Schools of Law, Medicine, Nursing, Journalism, Agriculture, Engineering, Pharmacy, Business Education, Letters and Science, and Veterinary Medicine. Located a mile from the state capitol on a series of hills overlooking Lake Mendota, the attractive campus includes several gymnasiums which provide facilities for handball, racquetball, squash, swimming, jogging, basketball, badminton, tennis, and other sports.

Aerial View of Campus Overlooking Lake Mendota

History - UW–Madison firsts

1. 1875 Nation’s first Scandinavian studies department
2. 1890 First test of butterfat content in milk
3. 1913 Discovery of vitamin A
4. 1916 Discovery of vitamin B
5. 1924 Discovery of methods to enrich food with vitamin D
6. 1919 Oldest educational radio station
7. 1926 First university dance program
8. 1930s Discovery of methods to iodize salt
9. 1936 First artist-in-residence program at a university
10. 1939 First university department of wildlife management
11. 1968 First bone marrow transplant
12. 1970 Creation of the first synthetic gene
13. 1973 Nation’s only on-campus blood donation center
14. 1987 Development of Wisconsin Solution, used in transplant surgery
15. 1998 First cultivation of embryonic stem cells in a lab

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The School of Veterinary Medicine

The School was established by Wisconsin legislative action in 1979. Construction of the new facility began in 1981 and was completed in March 1983. The school opened the doors to its first class of 80 students in August 1983. The school is accredited by the American Veterinary Medical Association Council on Education.

The main facility of the School of Veterinary Medicine (located on the University of Wisconsin-Madison campus) is a contemporary, four-story brick building which houses classrooms, teaching and research laboratories, faculty and administrative offices, and a state-of-the-art Veterinary Medical Teaching Hospital. The Teaching Hospital includes housing for approximately 80 large animals and 120 small animals.
Training Programs - Goals

Small Animal Surgical Residency Program
The objective of this program is to provide the resident training, knowledge, and experience in the discipline of surgery through exposure to clinical surgery, surgical research, and teaching. This training will lead to clinical proficiency in surgery and should prepare the resident for academic teaching, clinical referral practice, or a career in surgical research. The residency program is designed to fulfill the guidelines for residency training as established by the American College of Veterinary Surgeons (ACVS) and has been classified as "conforming" by the ACVS Residency Credentials Committee.

Admission into the second and third years of the program and issuance of the certificate of residency training are dependent upon satisfactory evaluation of the resident's performance as determined by the Department of Surgical Sciences. Two publications, acceptable to a peer-reviewed journal, must be submitted for publication before the end of the program. The resident must be first author of these publications.
M.S. Degree Program
A resident may enroll concurrently in an M.S. degree program. Completion of an M.S. degree program and the residency training program generally takes 4 years. The goals of this program are to increase knowledge in a selected area within the sciences and to obtain training in conducting research. Graduate programs leading to an M.S. degree are offered through the University of Wisconsin-Madison in all biological science disciplines.

Ph.D. Degree Program
The resident may also elect to pursue a Ph.D. degree program. Although it may be possible to complete some coursework and research in support of the Ph.D. degree during the residency, completion of degree requirements will require an additional 2-4 years, depending on progress during the residency. Admission to the graduate degree program requires a separate application from that for admission to the residency program, and graduate degree programs are administered by the Graduate School and the department through which the degree is granted. Additional information can be found at the website for the Graduate School (http://www.wisc.edu/grad/) or those of individual academic departments.
Three Year Surgery Resident Training Program Format

The 36 months of the program is subdivided approximately as follows:

1. Twenty-two and one half months for residency clinical training
2. Twelve months for research training, manuscript and seminar preparation, scientific meeting or short-course attendance and non-surgical required rotations (anesthesia, internal medicine, radiology, pathology, neurology).
3. One and one half months (two weeks/year) for vacation.

The resident is assigned a temporary clinical advisor for the first three months of the program. During this time, small animal surgery faculty members interested in serving as the resident's permanent advisor enter into discussions with the resident regarding plans for research, writing, and philosophy of residency and/or graduate training. The resident then selects a permanent Research Advisor (RA). The Resident Advisor has the responsibility of assuring that the resident completes the clinical training requirements as required by the ACVS credentialing committee. The RA may also serve as the research advisor and have the responsibility of guiding the major research focus of the resident, but other small animal surgery faculty may serve as research advisors or be involved with smaller research projects and/or manuscripts with the resident.

Clinical Training

The major responsibility of the resident is to receive, diagnose, operate upon, and carry out the postoperative management of surgical patients admitted to the Veterinary Medical Teaching Hospital (VMTH). These duties are performed under supervision of the faculty. The resident's responsibility for patient care and teaching increases as training progresses, and is dependent upon demonstrated levels of proficiency.

The small animal surgery section is divided into orthopedic and general (soft tissue) surgery services. These two services run concurrently. Each service consists of one faculty member, one or two surgical residents, two - five fourth year students and possibly one intern. Two to three mornings per week are spent examining animals in the clinic and the remainder of the week is scheduled in the operating room and in rounds. The resident is exposed to a varied referral and routine surgical caseload. In addition to development of technical proficiency, emphasis is placed on problem solving skills in diagnosis and pre and postoperative management of surgical patients.
Surgical Cases: Distribution & Responsibilities

Distribution of cases in Orthopedics is approximately 70% elective and 30% non-elective (including traumatic orthopedic injuries and neurosurgery). In General Surgery 30% of cases are abdominal or thoracic explorations, 10% are reconstruction, and the remainder are divided between elective and non-elective procedures.

The resident should have in-depth knowledge about the diagnosis, pathophysiology, anatomy, surgery, and prognosis of all cases on the service to which they are assigned. Preparation for surgery includes review of anatomy, surgical approach (including alternatives), technical details of the procedure, postoperative care and complications. Additionally, the resident is responsible for knowledge of current surgical literature.

The surgery resident is responsible for approximately 13 weeks of emergency on-call duty per year. All surgical residents share duty for surgical emergencies and for care of surgical patients in the Critical Care Unit. Surgical faculty is available for consultation and assistance with all after hours’ surgeries.

Faculty/resident/student rounds are held daily to discuss animals seen in the clinic, develop plans for diagnosis and operative management and monitor the progress of hospitalized animals.
Specific Program Description

a) **Temporary Faculty Advisor:** The resident is assigned a temporary clinical advisor for the first three months of the program. The temporary faculty advisor is chosen at the discretion of the Department Chair in consultation with the surgery faculty. The temporary resident advisor will assist the resident in orientation to the VMTH and is available for consultation with the resident.

b) **Resident Orientation:** The resident will be allowed time to attend the VMTH orientation. The temporary faculty advisor will be available to assist the resident with orientation issues. Whenever possible in the first few weeks of clinical rotation, the first year resident will be paired with a second or third year resident to assist with clinical orientation. The first year resident will not be scheduled for emergency duty during the first week of the residency program.

c) **Weeks of Supervised Training:** A minimum of 110 weeks of supervised clinical training in small animal surgery; a minimum of two weeks of supervised clinical training in each of the following disciplines: internal medicine, neurology, anesthesia, radiology and clinical pathology/pathology.

d) **Expectations for Case Management:** The resident is responsible for patient care, reviewing daily progress notes and surgery reports, client communication (in cooperation with the faculty surgeon), discharge instructions and referral reply (always in consultation with a faculty surgeon). Examinations of patients and daily progress reports and treatment orders should be completed by 8:00 a.m. Faculty/resident/student rounds are held daily to discuss animals seen in the clinic.
develop plans for diagnosis and operative management, and monitor the progress of hospitalized animals.

e) Role of the Third Year Resident: The third year resident is responsible for creating the yearly resident clinical schedule for all surgery residents. The third year resident coordinates the orthopedic and general surgery journal clubs and is responsible for scheduling study sessions for ACVS board preparation. It is anticipated that the third year resident will present his/her research at a national meeting. In addition, the third year resident will be given two to five lectures to present within the veterinary curriculum. The third year resident may assume primary clinical service responsibility but will always be supervised by a faculty member.

f) Resident Evaluation: Residents receive formal evaluations twice annually and meet to discuss these with their clinical advisor. The resident receives both oral and written evaluation at these meetings and is given the opportunity to respond to the advisor or section. Specifically, the resident’s performance is evaluated within the following categories: clinical skills and subject knowledge, enthusiasm and leadership, teaching, interpersonal relationships, service, progress in research/graduate training, goals and progress towards those goals. The surgery section does not usually require an exit evaluation from the residents, but the hospital director often meets with the residents before the end of their senior year.

Educational Conference Schedule
The School of Veterinary Medicine holds educational conferences several times each week from August through June of each academic year. Each resident is responsible for presenting three to five in-depth seminars per year during the following required soft tissue or orthopedic rounds.

<table>
<thead>
<tr>
<th>Rounds/Meetings</th>
<th>Time</th>
<th>Topic</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday 8:00 a.m.</td>
<td>General Surgery</td>
<td>Weekly</td>
<td></td>
</tr>
<tr>
<td>Thursday 8:00 a.m.</td>
<td>Orthopedic</td>
<td>Weekly</td>
<td></td>
</tr>
<tr>
<td>Friday 7:45 a.m.</td>
<td>Surgery Journal/Book Club</td>
<td>Weekly</td>
<td></td>
</tr>
</tbody>
</table>

Wednesday morning conferences, held at the School of Medicine, are for their orthopedic residents however many topics are of mutual interest to SVM residents and faculty. The conference features two presentations, each lead by a resident, followed by a lively discussion. Our residents are encouraged to attend these conferences as time permits.

Records and Rotations
As required by the ACVS, the resident maintains a record of the residency program. This record lists rounds, seminars/meetings attended and seminars/lectures presented. The resident, also, maintains a surgical log listing case number, animal identification and species, date, treatment, and whether responsibility was as primary or assistant surgeon. This log is semi-annually reviewed by the Resident Advisor and Program Director.

During the second or third year of the program the resident may elect a rotation at the University of Wisconsin-Madison Medical School Surgical Service or at a surgical service at another institution. The resident and clinical advisor selects the outside rotation with approval of the Surgery Section.
Meetings
The resident is entitled to five working days per year to attend professional meetings. The selection of meetings must be approved by the clinical and/or research advisor and scheduled with the head of Small Animal Surgery. Strong consideration should be given to attending the ASIF course during the first year of the residency and the ACVS annual meeting during the second and/or third year of the residency.

Teaching
The resident participates in the supervision and instruction of veterinary medical students in the VMTH, operative practice laboratory (6-8 afternoons per year) and didactic teaching programs (2-5 lectures during the three years of residency).

Progress Reports
Formal review of the resident's program and performance occurs three months after the initial appointment and at six month intervals thereafter. Admission into the second and third years of the program and issuance of the certificate of residency training is dependent on satisfactory evaluations of the resident's program and performance. The standards for satisfactory performance are established by the Department of Surgical Sciences based on guidelines published in the ACVS Information Brochure (acvs.org).
Admission Qualifications

To be eligible for the residency program, an applicant must be a United States citizen or have suitable visa status, must have a DVM (or equivalent) degree and must have completed one year of internship or equivalent practice experience. To also be admitted into a graduate program, the resident must satisfy additional requirements specified by both the Graduate School and the department in which the degree is to be granted.

The following material is required for application:

1. A personal statement describing background, reasons for applying for the Residency/Graduate Degree program, and career goals.

2. Curriculum Vitae

3. At least three letters of recommendation from instructors, researchers or practitioners. These letters should address aptitude and performance in intellectual and creative pursuits pertinent to scientific research, knowledge of veterinary medicine, clinical skills, ability to apply knowledge in a clinical situation and ability to communicate and work with others.

4. Official transcripts and grade point average from all post secondary institutions attended and class rank from veterinary school.

5. Applicants must be part of the American Association of Veterinary Colleges (A.A.V.C.) Resident Matching program (Resident Matching Program, 1024 Dublin Road, Columbus, OH 43215).

*The University of Wisconsin is an affirmative action/equal opportunity employer.*

**Direct requests for information and/or visitation to:**
Dr. Jason Bleedorn, Residency Coordinator jbleedorn@vetmed.wisc.edu
or
Dr. Susan Schaefer, Section Head schaefer@vetmed.wisc.edu
School of Veterinary Medicine
University of Wisconsin-Madison
2015 Linden Drive West
Madison, WI 53706-1102
608-263-9808
Small Animal Surgery Faculty

GENERAL SURGERY SERVICE

Dale Bjorling, DVM, MS, Diplomate ACVS

Dr. Bjorling is a Professor of Small Animal Surgery and Associate Dean of Research and Graduate Studies. He also has an appointment as Professor in the Department of Urology at the University of Wisconsin School of Medicine and Health. He received a DVM from the University of Illinois in 1978, completed a small animal internship at the University of California in 1979 and residency at the University of Georgia in 1982. He, also, completed an MS from the University of Georgia in the same year. From 1982 to 1985, Dr. Bjorling was an Assistant Professor at the College of Veterinary Medicine, University of Georgia in the Department of Small Animal Medicine. Dr. Bjorling’s clinical and research interests are in the areas of inflammation of the bladder due to non-infectious causes and control of smooth muscle tone by neuropeptides. His clinical interests include surgery of the urinary and respiratory tracts. Dr. Bjorling’s recent publications include:


### Sara Colopy, DVM, PhD, Diplomate ACVS

Dr. Colopy joined the faculty in 2008 as a Clinical Instructor in Small Animal Surgery. A 2004 graduate of the University of Wisconsin, she served a rotating small animal medicine and surgery Internship at North Carolina State University in 2005. Dr. Colopy completed a residency in Small Animal Surgery at the University of Wisconsin in 2008. She earned her PhD in Comparative and Biomedical Sciences at the University of Wisconsin in 2012. She recently received a career development award (KL2 Scholars Program), funded by the NIH Clinical and Translational Science Award (CTSA) through the UW Institute of Clinical and Translational Research. This award supports new clinical and translational investigators with training, mentoring, and protected time to develop an independent research program. She has a special interest in urologic surgery and research. Dr. Colopy’s recent publications include:


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**Robert Hardie, DVM, Diplomate ACVS, Diplomate ECVS**

Dr. Hardie joined the faculty in 2000 and is currently a Clinical Associate Professor of Small Animal General Surgery and the Associate Dean for Professional Programs. He received his DVM from the University of Georgia in 1991, completed an Internship at the University of Minnesota in 1992, and then went onto complete a residency in Small Animal Surgery at Cornell University in 1995. After completing his residency, he was in private referral practice for 2 years in Brunswick, Maine. From 1997 to 2000, Dr. Hardie was at the Royal Veterinary College, University of London as a Lecturer in Soft Tissue Surgery. More recently, Dr. Hardie spent 2 years in private practice in Sydney Australia as a Staff Surgeon at The Animal Referral Hospital while on leave from the University from 2005-2007. His special interests include minimally invasive surgery, urogential surgery, and clinical teaching. Dr. Hardie’s recent publications include:


3. Guthrie K, **Hardie RJ**. Surgical excision of the parotid gland is an effective treatment for traumatic mucocele in dogs. *JAHA*, in press


5. Katie Kennedy, Kathereen Tamborello, **Robert J. Hardie**. Perioperative Morbidity Associated with 513 Ovariohysterectomies performed as part of a Veterinary Surgical Training Program. *Journal of Veterinary Medical Education* 39: 408-413, 2011


**Jonathan McAnulty, DVM, MS, PhD**

Dr. McAnulty is a Professor of Small Animal Surgery and Chair of the Department of Surgical Sciences. He received his DVM from the University of Georgia in 1981, internship at Purdue University in 1982 and completed a residency at the University of Pennsylvania in 1985. In 1994, Dr. McAnulty completed his PhD program at the UW-Madison Department of Veterinary Science. Dr. McAnulty's current research activity is primarily focused in two areas: prevention of injury to organs for transplantation stored *ex vivo* at low temperatures and on novel methods of improving wound healing by use of nanoscale engineering techniques to modify the wound surface. Clinical interests include plastic, reconstructive and vascular surgery, feline kidney transplantation and development of new methods for treatment of chylothorax. Dr. McAnulty’s recent publications include:


Dr. Sample joined the faculty in 2014 and is research associate in the comparative orthopedic research laboratory and part-time clinical instructor in general surgery. She is a graduate of the University of Wisconsin where she also obtained a Master’s Degree and Doctorate of Philosophy. Dr. Sample completed a rotating internship and at the University of Wisconsin. She completed her residency training in Small Animal Surgery at the University of Wisconsin-Madison in July 2014. Her clinical interests and research include genetic basis of laryngeal paralysis and cruciate disease in Labrador Retrievers. Dr. Sample’s recent publications include:


ORTHOPEDIC SURGERY SERVICE

Jason Bleedorn, DVM, DACVS

Dr. Bleedorn joined the faculty in 2011 and is a Clinical Assistant Professor in Small Animal Orthopaedic Surgery. He is a graduate of the University of Illinois. Dr. Bleedorn completed a rotating internship at Purdue University and a surgical internship at Dallas Veterinary Surgical Center. He completed his residency training in Small Animal Surgery at the University of Wisconsin-Madison in July of 2010. During his residency training, he concurrently pursued a Masters Degree program in Comparative Biomedical Sciences investigating molecular signaling events involved in skeletal adaptation. His clinical interests and areas of active research include limb deformity correction and cruciate ligament rupture in dogs. Dr. Bleedorn’s recent publications include:

Peter Muir BVSc, MVetClinStud, PhD, MACVSc, MRCVS, Diplomate ACVS, Diplomate ECVS
Dr. Muir joined the faculty in 1999 and is an Professor of Small Animal Orthopaedic Surgery. He graduated from the University of Bristol in 1985 and completed his PhD training at the University of Bristol in 1990. From 1990 to 1992 he was a resident at The University of Sydney and was awarded a Masters degree in Veterinary Clinical Studies in 1992. He completed his residency training at the University of Wisconsin-Madison from 1992 to 1995 and became a Diplomate of the American College of Veterinary Surgeons in 1995. Dr. Muir held faculty positions in small animal orthopaedics at the University of California, Davis and The Royal Veterinary College, University of London. He was awarded the AVMF.AKC Career Achievement Award for long-term contribution to canine research in 2011 and the University of Wisconsin-Madison Chancellor’s Distinguished Teaching Award for contributions to student education in 2013. Dr. Muir is Co-Director of the Comparative Orthopaedic Research Laboratory. Further information about the lab: vetmed.wisc.edu/research/orthop. His current interests focus on stress fractures, long bone fracture repair, cruciate rupture in dogs, and clinical trial studies of canine arthritis. A new research direction includes genomic mapping of orthopaedic disease in dogs and horses. Dr. Muir’s recent publications include:


Susan Schaefer, DVM, MS, Diplomate ACVS
Dr. Schaefer joined the faculty in August 2003 and is a Clinical Associate Professor of Small Animal Surgery and is currently the Head of the Small Animal Surgery Section. She received her DVM from University of Wisconsin in 1992, completed an internship at The Ohio State University and completed her residency training at Michigan State University in 1997. Dr Schaefer served as a clinical instructor in Small Animal Surgery at Kansas State University and at Washington State University. In 1999, she entered private referral practice and became a staff surgeon at the Central Texas Veterinary Specialty Hospital in Austin TX. She returned to academia to pursue research and teaching interests. Her area of research includes fracture healing, diagnostic imaging and shoulder injuries. Dr. Schaefer developed an MRI atlas of the canine shoulder joint and has published on both normal and abnormal findings in the canine shoulder as seen with MRI. She also has an interest in the use of synthetic bone forming stimulants (Bone Morphogenic Protein) in complicated fracture cases. Dr. Schaefer’s recent publications include:


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**Emeritus Faculty**

**Tass Dueland, DVM, MS, Diplomate ACVS, Emeritus Professor**
Dr. Dueland joined the School of Veterinary Medicine faculty in 1980 as a Professor and served as chairman of the Department of Surgical Sciences from 1980 to 1986. He holds a joint appointment as Professor of Orthopedic Surgery in the Medical School. In 1999 Dr. Dueland retired. He holds a position as Emeritus Professor. His research interests are in comparative orthopedics, fracture fixation/biomechanics, pubic symphysiodesis for hip dysplasia and interlocking nailing of fractures. Dr. Dueland’s publications include:


**Paul Manley, DVM, MSc, Diplomate ACVS, Emeritus Professor**
Dr. Manley was a Professor of Small Animal Surgery. He held a joint appointment as Professor of Orthopedic Surgery in the Medical School (UW). In addition, Dr. Manley was the Chief of Service for the Small Animal Hospital. He received his DVM from the University of Guelph in 1974 then joined a private practice for one year. In 1976, he completed an internship at the University of Guelph, and in 1978, he earned a M.Sc. degree. Dr. Manley completed a surgery residency at the University of California-Davis in 1981 and went on to become a postdoctoral fellow at Colorado State University from 1981-1982. From 1982 to 1984, Dr. Manley was employed in private referral practice in Massachusetts and was appointed as a Clinical Assistant Professor at Tufts University, School of Veterinary Medicine. His research interests include connective tissue remodeling in total hip arthroplasty, osteoarthritis and cruciate disease. Clinical interests included total hip replacement and arthroscopy. Dr. Manley’s recent publications include:


Former Residents

James Roush Dr. Roush completed the program in 1988. He completed requirements for the M.S. degree, which was awarded in 1988, and he was admitted to the ACVS in 1990. He is a Professor at Kansas State University.

Barbara Kirby Dr. Kirby completed the program in 1989. She completed requirements for the M.S. degree in 1989 and admission to the ACVS in 1992. Dr. Kirby was previously an Assistant Professor at Louisiana State University, a Lecturer at the University of Edinburgh and is now an Associate Professor at the University College Dublin, Ireland

Kurt J. Matushek Dr. Matushek completed the program in 1990. He became a diplomate of the ACVS in 1992. He was previously in a private referral practice in Detroit, Michigan, and is the Editor of the Journal of the American Veterinary Medical association (JAVMA).

Bernard Bouvy Dr. Bouvy completed the program in 1991. He completed requirements for the M.S. degree in 1991 and admission to the ACVS in 1994. Dr. Bouvy was also admitted by examination to the European College of Veterinary Surgeons in 1993. He is in a private referral practice in Arcueil, France.

Steven Petersen Dr. Petersen completed the program in 1992. In 1993, Dr. Petersen won the residency presentation at ACVS and won the National Resident Award from AAVC. He became a diplomate of the ACVS in 1994 and is in a private referral practice in Hood River, OR.
Bonnie Campbell Dr. Campbell completed the program in 1993. She became a diplomate of the ACVS in 1998 and completed her Ph.D. in 1999 at Cornell University. She is an Associate Professor at Washington State University in Small Animal Surgery.

Jeffrey B. Meinen Dr. Meinen completed the program in 1994. He became a diplomate of the ACVS in 1999. He is in a private referral practice in Waukesha, WI.

Peter Muir Dr. Muir completed the program in 1995. He became a diplomate of the ACVS in 1995 and was admitted into the ECVS in 1997. Dr. Muir joined the faculty of the University of Wisconsin, School of Veterinary Medicine in 1999 and is a Professor.

Bruce VanEnkevort Dr. VanEnkevort completed the program in 1996. He became a diplomate of the ACVS in 1999. He is in a private referral practice in Appleton, WI.

Callum W. Hay Dr. Hay completed the program in 1997. He received the National Residency Award from AAVC in 1997. Dr. Hay became a diplomate of the ACVS in 1998. He is in a private referral practice in Tampa FL.

Tim Robinson Dr. Robinson completed the program in 1998 and was a clinical instructor at the UW School of Veterinary Medicine 1998-1999. He became a diplomate of the ACVS in 1999. He is in a private referral practice in Syracuse, NY.

David Edinger Dr. Edinger completed the program in 1999 and became a diplomate of the ACVS in 2001. He is in a private referral practice in Madison WI.

Ken Moore Dr. Moore completed the program in 2000 and became a diplomate of the ACVS in 2001. He is in a private referral practice in Hollywood, FL.

Alison Patricelli Dr. Patricelli completed the program in 2001 and became a diplomate of the ACVS in 2002. During her residency, she received the ACVS Resident Publication Award and twice was the recipient of the VOS Mark Bloomberg Resident Research Award. Dr Patricelli is in a private referral practice in Breckenridge, CO.

Gretchen Sicard Dr. Sicard completed the program in 2002 and has submitted credentials for the ACVS examination. She is in private referral practice in Portland, OR.

Kelly Gellasch Dr. Gellasch completed the program in 2002 and became a diplomate of the ACVS in 2003. She is in a private referral practice in Frederick, MD.

Kei Hayashi Dr. Hayashi completed the program in 2003 and became a diplomate of the ACVS 2004. He is an Assistant Professor at the University of California – Davis.

Tamara DaCosta-Gomez Dr. DaCosta-Gomez completed the program in 2004 and became a diplomate of the ACVS 2006. She is in a private referral practice in Santa Barbara, CA.

Nichole Danova Dr. Danova completed the program in 2005 and has submitted credentials for the ACVS examination. She is in private referral practice in Pennsylvania.

Chad Schmiedt Dr. Schmiedt completed the program in 2005 and became a diplomate of the ACVS 2006. He is an Associate Professor at the University of Georgia.

Sean Murphy Dr. Murphy completed the program in 2006 and became a diplomate of the ACVS in 2007. He is in a private referral practice in Garden City, Idaho.

Maria Faria Dr. Faria completed the program in 2007 and became a diplomate of the ACVS in 2010. She is in a private referral practice in Portland, OR.
Sara Colopy Dr. Colopy completed the program in 2008 and became a diplomate of the ACVS in 2009. She is working toward her PhD and serves as a Clinical Instructor at the University of Wisconsin.

Milan Milovancev Dr. Milovancev completed the program in 2008 and became a diplomate of the ACVS in 2009. He is Assistant Professor at the Oregon State University College of Veterinary Medicine

Trent Tuttle Dr. Tuttle completed the program in 2009 and became a diplomate of the ACVS in 2010. He is in a private referral practice in Shawnee Mission, KS.

Jason Bleedorn Dr. Bleedorn completed the program in 2010 and became a diplomate of ACVS in 2011. He is pursuing his Master’s Degree and serves as a Clinical Assistant Professor at the University of Wisconsin.

Kelson Danielson Dr. Danielson completed the program in 2011 and became a diplomate of ACVS in 2012. He is in a private referral practice in New York, NY.

Julia Sumner Dr. Sumner completed the program in 2011 and became a diplomate of ACVS in 2012. She is an Assistant Professor at the Louisiana State University.

Jeff Little Dr. Little completed the program in 2013 and became a diplomate of ACVS in 2014. He is in a private referral practice near Atlanta, GA.

Kathy Rowe-Guthrie Dr. Rowe-Guthrie completed the program in 2014. She is in a private referral practice in Phoenix, AZ.

Susannah Sample Dr. Sample completed the program in 2014. She remains at the University of Wisconsin as a research associate in the comparative orthopedic research laboratory and part-time clinical instructor in general surgery

Current Residents
Casey Budgeon Dr. Budgeon entered the residency program in 2014.

Rebecca Csomos Dr. Csomos entered the residency program in 2013

Kevin Kroner Dr. Kroner entered the residency program in 2013.

Megan Mickelson Dr. Mickelson entered the residency program in 2014.

Brian Sutherland Dr. Sutherland entered the residency program in 2012.

Resident Publications

James Roush:


**Barbara Kirby**


**Kurt Matushek:**


Bernard Bouvy:

Steven Petersen:

Bonnie Campbell:

Jeffrey Meinen:


Peter Muir:


Bruce VanEnkevort:

Callum Hay:

Tim Robinson:

Dave Edinger:
Ken Moore:

Alison Patricelli

Gretchen Sicard

Kelly Gellasch

Kei Hayashi

**Tamara Da Costa Gomez**

**Nichole Danova**

**Chad Schmiedt**
Sean Murphy

Maria Faria

Milan Milovancev
Sara Colopy

Trent Tuttle

Jason Bleedorn

Julia Sumner
1. Sumner JP, Bjorling D: What's the Take-home: Canine Insulinoma Clinician's Brief 2010
2. Sumner JP, Markel M, Muir P: Caudal cruciate ligament damage in dogs with cranial cruciate ligament rupture Veterinary Surgery in press

Kelson Danielson
Kathleen Rowe-Guthrie

1. **Guthrie K**, Hardie RJ. Surgical excision of the parotid gland is an effective treatment for traumatic mucocele in dogs. *JAAHA*, in press


Susannah Sample


**Rebecca Csomos**


**Casey Budgeon**


**Megan Mickelson**


UW Veterinary Care Faculty

**Anatomic Pathology**
Jennifer Dreyfus, DVM  
Marie Pinkerton, DVM, Dipl ACVP  
Howard Steinberg, VMD, PhD, Dipl ACVP

**Anesthesia/Pain Management**
Lindsey Culp-Snyder, DVM, Dipl ACVA  
Tatiana Ferreira, DVM, PhD  
Rebecca Johnson, DVM, PhD, Dipl ACVA  
Lesley Smith, DVM, Dipl ACVA, CVA  
Erin Wendt-Hornickle, DVM, Dipl ACVA, CVA

**Cardiology**
Heidi Kellihan, DVM, Dipl ACVIM  
Rebecca Stepien, DVM, MS, Dipl ACVIM (Cardiology)

**Clinical Pathology**
Kristen Friedrichs, DVM, Dipl ACVP  
Julie Webb, DVM, Dipl ACVP  
Karen Young, VMD, PhD

**Critical/Emergency Care**
Jonathan Bach, DVM, Dipl ACVIM, Dipl ACVECC  
Julie Walker, DVM, Dipl ACVECC

**Dentistry/Oral Surgery**
Christopher Snyder, DVM, Dipl AVDC  
Jason Soukup, DVM, Dipl AVDC

**Dermatology - SA**
Douglas DeBoer, DVM, Dipl ACVD  
Karen Moriello, DVM, Dipl ACVD
Food Animal Production Medicine
Nigel Cook, DVM
Dörte Döpfer, DVM
Sheila McGuirk, DVM, PhD, Dipl ACVIM
Kenneth Nordlund, DVM, Dipl AVBP
Garrett Oetzel, DVM, MS

Internal Medicine - LA
Benjamin Darien, DVM, MS, Dipl ACVIM
Sheila McGuirk, DVM, PhD, Dipl ACVIM
Simon Peek, BVSc, PhD, MRCVS, Dipl ACVIM

Internal Medicine - SA
Jonathan Bach, DVM, Dipl ACVIM, Dipl ACVECC
Hattie Bortnowski, DVM, Dipl ACVIM (SAIM)
Lauren Trepanier, DVM, PhD, Dipl ACVIM, Dipl ACVCP
Katrina Viviano, DVM, Dipl ACVIM (SAIM, Dipl ACVCP

Morrie Waud Equine Clinic
Chris Alford, DVM, Dipl ACVS
Jacob Goodin, DVM, Dipl ACVS
Pat Griffin, DVM, PhD, DACT
Joe Foerner, DVM, Dipl ACVS
Clare Ryan, DVM, PhD, Dipl ACVIM

Neurology
Heidi Barnes Heller, DVM, Dipl ACVIM (Neurology)
Salih Eminaga, DVM
Helena Rylander, DVM, Dipl ACVIM (Neurology)

Oncology - Medical
Esther Chon, DVM, Dipl ACVIM (Oncology)
Ruthanne Chun, DVM, Dipl ACVIM (Oncology)
Xuan Pan, DVM, PhD
Cecilia Robat, DVM, Dipl ACVIM (Oncology)
Tim Stein, DVM, PhD, Dipl ACVIM (Oncology)
David Vail, DVM, Dipl ACVIM (Oncology)

Oncology - Radiation
Lisa Forrest, DVM, Dipl ACVR (Radiology, Radiation Oncology)
Neil Christensen, BVSc
Michelle Turek, DVM, Dipl ACVIM (Oncology), Dipl ACVR (Radiation Oncology)

Ophthalmology
Ellison Bentley, DVM, Dipl ACVO
Gillian McLellan, DVM, Dipl ACVO, Dipl ECVO
Paul Miller, DVM, Dipl ACVO

Physical Rehabilitation
Courtney Arnoldy, DPT CCRP
Primary Care
Elizabeth Alvarez, DVM, Dipl ABVP (Canine and Feline Practice)
Sandra Sawchuk, DVM, MS
Calico Schmidt, DVM
Maria Verbrugge, DVM

Radiology
Lisa Forrest, DVM, Dipl ACVR
Brian Jones, DVM, MS
Cintia Oliveira, DVM, MS
Kenneth Waller, III, Dipl ACVR
Jackie Williams, DVM, MS, Dipl ACVR

Special Species
Christoph Mans, DMV
Kurt Sladky, MS, DVM, Dipl ACZM

Surgery - LA
Sabrina Brounts, DVM, MS, Dipl ACVS
Michael Livesy, BVSc, Dipl ACVS
Samantha Morello, DVM

Surgery – SA
Dale E. Bjorling, DVM, MS, Dipl ACVS
Jason Bleedorn, DVM, Dipl ACVS
Sara Colopy, DVM, Dipl ACVS
Robert J. Hardie, DVM, Dipl ACVS, Dipl ECVS
Jonathan F. McAnulty, DVM, MS, PhD
Peter Muir BVSc, MVetClinStud, PhD, MACVSc, MRCVS, Dipl ACVS, Dipl ECVS
Susannah Sample, DVM, PhD
Susan Schaefer, DVM, MS, Dipl ACVS

Theriogenology
Celina Checura, DVM, PhD, Dipl ACT
Harry Momont, DVM, PhD, Dipl ACT