



## AAVA Institutional Profile

Kansas State University

June 2011

### Anatomist

**Name:** Walter C. Cash (Wally)

**Contact Information:** [cash@vet.ksu.edu](mailto:cash@vet.ksu.edu); 785-532-4510

**Education:** BS, DVM, PhD all at KSU

**Interests (research/teaching/personal):** Primarily teaching, Gross Anatomy, Applied Anatomy, Neuroscience and Electrodiagnostics



### Anatomist

**Name:** Judy Provo-Klimek

**Contact Information:** [jklimek@vet.ksu.edu](mailto:jklimek@vet.ksu.edu)

**Education:** BS Biology Purdue 1984; DVM Purdue 1988; MS Anatomy Education Purdue 1996

**Interests (research/teaching/personal):** Teaching: canine and comparative gross anatomy; microscopic anatomy; embryology elective; practical use and interpretation of veterinary scientific literature elective.

Research/scholarship: student-centered learning; active learning. Personal: horses, photography, fishing, walking, digital scrapbooking, morel mushroom hunting.



### Anatomist

**Name:** Deryl Troyer

**Contact Information:** ph: 785-532-4509; email: [troyer@vet.k-state.edu](mailto:troyer@vet.k-state.edu)

**Education:** DVM, PhD

**Interests (research/teaching/personal):** Teaching: histology

Research: The emphasis of my laboratory is in stem cell biotechnology, particularly in the utilization of stem cells as delivery vehicles for targeted cancer therapy. We have successfully used engineered umbilical cord stem and other cells to deliver cytokines to breast cancer, melanoma and pancreatic cancer in rodent models. We have recently seen the successful attenuation of melanomas and pancreatic tumors after loading stem or defensive cells ex vivo with a magnetic nanoparticle payload, administering them IV and application of an external A/C magnetic field.



**Anatomist**

**Name:** Masaaki Tamura

**Contact Information:** [mtamura@vet.k-state.edu](mailto:mtamura@vet.k-state.edu)

**Education:** PhD, Veterinary Medicine (Biochemistry & Nutrition), Azabu Veterinary College, Japan, 1980

KSU DVM – Kitasato University College of Veterinary Medicine, Japan, 1973

**Interests (research/teaching/personal):** Teaching: microscopic anatomy



**Anatomist**

**Name:** Cheryl Herman

**Contact Information:** [cherman@vet.k-state.edu](mailto:cherman@vet.k-state.edu)

**Education:** DVM, 1987 University of Saskatchewan

**Interests (research/teaching/personal):** 100% teaching appointment: Gross Anatomy I (canine anatomy), Gross Anatomy II (equine, ruminant, porcine and avian anatomy); Neuroscience elective; Special Interest Anatomy elective (multiple species) and Applied Anatomy elective which focuses on the surgical anatomy of the limbs of the dog and cat for common orthopedic procedures. Other interests: comparative anatomy of the donkey and the horse.



**Anatomist**

**Name:** Zsolt Szladovits

**Education:** DVM Szent Istvan University (Budapest, Hungary) 1988; PhD Szent Istvan University 2005

**Contact Information:** [zszlado@vet.k-state.edu](mailto:zszlado@vet.k-state.edu)

**Interests (research/teaching/personal):** Teaching Gross Anatomy I and II; Neuroscience elective;



**Gross Anatomy and Microanatomy Instructor**

**Name:** Lane Anderson

**Contact Information:** [landerso@vet.k-state.edu](mailto:landerso@vet.k-state.edu)

**Education:** BS Animal Science, DVM North Carolina State University-  
College of Veterinary Medicine

**Interests (research/teaching/personal):** Currently involved in  
Microanatomy in the fall semester, Gross Anatomy II and Neuroscience  
elective in the spring semester.



**Gross Anatomy Instructor**

**Name:** R. Lynn Abel

**Education:** DVM Kansas State 1998

**Contact Information:** [rabel@vet.k-state.edu](mailto:rabel@vet.k-state.edu)

**Interests (research/teaching/personal):** Teaching Gross  
Anatomy I and II



**Microscopic Anatomy Instructor**

**Name:** Pam Davis

**Contact Information:** [pdavis@vet.k-state.edu](mailto:pdavis@vet.k-state.edu)

**Interests (research/teaching/personal):** Teaching Microscopic anatomy



**Graduate Students**

Although the department has several graduate students, none are currently teaching in anatomy courses.

## Anatomy Curriculum

- **Size of class:** Currently about 116, Usually 112
- **Are you on the semester or quarter system?** Semester
- **Are small and large animal anatomy taught simultaneously?** No
- **# of semesters/terms of small animal anatomy:** 1 semester (fall)
- **# contact hours of small animal anatomy per week:** 2 hours lecture, 9 hours lab
- **# of semesters/terms of large animal anatomy:** 1 semester (spring)
- **# contact hours of large animal anatomy per week:** 3 hours lecture, 9 hours lab
- **Do you offer an anatomy elective? If so, please describe.**

We have an AP 825 Anatomy elective for interested graduate students, interns and residents keyed to their interests, on average given once or twice per year for 1-3 students.

The college implemented a system of electives in the 2009-2010 academic year. Below is a listing of elective courses taught by Anatomy and Physiology faculty, many of which are available for students in any of the first three years of the curriculum.

Title	Faculty Coordinator	Classes Eligible
Veterinary Medical Language Cognates and Etymology (1/2 semester, 1 credit)	Wally Cash	first, second
3-D Imaging Anatomy of the Dog (1/2 semester, 1 credit)	Wally Cash	first, second
Practical Use & Interpretation of Veterinary Scientific Literature (1 credit)	Judy Klimek	first, second, third
History of Veterinary Medicine (1 credit)	Howard Erickson	first, second, third
Special Interest Anatomy (1 credit)	Cheryl Herman	first, second
Veterinary Neuroscience (2 credits)	Wally Cash	first
Applied Anatomy (1 credit)	Cheryl Herman	first, second
Comparative Embryology (1 credit)	Judy Klimek	first, second, third
Behavior of Domestic Animals (1 credit)	Pam Davis	first, second

### Strengths and Challenges of Your Anatomy Program:

We have tried to maintain a dissection experience for the common domestic animals represented mainly by 15 weeks of the dog, 10 weeks of the horse with some live horse palpation of external features, 4 weeks of the ruminant both horse and ruminant with 3 lectures per week, and a single lab for the chicken and single hour of lecture and a single lab for the near term fetal pig and a single lecture, and a lecture on the New World camelids, but no lab.

**Additional Information:**

**KSU Campus**



Southeast entrance to campus.



Anderson Hall (administration)



KSU Gardens



KSU Gardens – a Wildcat!



Waters Hall on Main Campus.



The Flint Hills as seen from I-70 near Manhattan.

## The Vet Med complex



From left to right: Diagnostic Lab; Mosier Hall (clinics); Trotter Hall (teaching and admin); Coles Hall (offices and labs). View from the west.

## College of Vet Med scenes



Trotter Hall from the southeast.



Coles Hall from the southeast.



Kind Hearts, Caring Hands statue, Trotter Hall.



Some of the swallows that build on Coles Hall.



Studying micro in the anatomy lab.



The anatomy lab, east wing.



First year lecture hall, Trotter Hall.



Student using tablet PC during anatomy lecture.



Anatomy cooler with calves for Gross II.



Wally Cash and students in anatomy lab.



Judy Klimek during micro lab.



Deryl Troyer leading a tutorial on the multi-headed scope.



Beth Davis helping with live horse quiz.



Wally Cash during live dog lab.