AAVA Awareness Committee
Institutional Profile

Name of Institution: College of Veterinary Medicine, Michigan State University

Date: May, 2012

Anatomist

Name: Puliyur S. Mohankumar

Contact Information: mohankumar@cvm.msu.edu. Tel: 517-353-2251

Education:
BVSc: Madras Veterinary College, Madras, India, 1988
PhD: Neuroendocrinology, Kansas State University, Kansas, USA 1993
Postdoctoral training: Neuroendocrinology, University of Kansas Medical Center, 1994-7

Interests:

Research:

- Neuroendocrinology of reproductive aging
- Neuroendocrinology of diabetes
- Neuro-immune interactions

Teaching:

- PDI 519. Gross anatomy II.
- PDI 565. Surgical anatomy of dogs and cats (selective, limited to 25 students)
- PDI 610. Anatomy Clerkship (elective)

Anatomist

Name: Robert Bowker

Contact Information: bowker@msu.edu. Tel: 517-353-4532

Education:
BS: Biology/chemistry, Springfield College, 1969
VMD: Veterinary Medicine, University of Pennsylvania, 1973
PhD: Neurobiology, University of Pennsylvania, 1979

Interests:

Research: Focusing primarily on the equine foot. Other interests include:

- functional anatomy of pain mechanisms,
- organization of descending pathways to spinal cord,
- enteric nervous system in normal cattle and those with a displaced abomasum,
- transmitters and inflammation within synovial membranes, lungs & skin.

Teaching:

- PDI 518. Gross Anatomy I
- PDI 514. Veterinary Neurosciences
- PDI 590a. The equine hoof (selective).
- PDI 610. Anatomy Clerkship (elective)

Anatomist

Name: Ioana M. Sonea

Contact Information: sonea@msu.edu. Tel. 517-432-2875

Education:

D.M.V.: Collège de Médecine Vétérinaire, Université de Montréal, St.Hyacinthe, Québec, Canada, 1974

Residency in Equine Internal Medicine (1983-86), College of Veterinary Medicine, East Lansing, MI, 1986

Ph.D. Veterinary Anatomy: College of Veterinary Medicine, Michigan State University, East Lansing, MI, 1993

Interests:

Research: None currently (prior focus was on neuroimmune interactions in the gut and lung)

Teaching:

- PDI 518. Gross Anatomy I
- PDI 519. Gross Anatomy II
- PDI 563. Topographical anatomy of live cats and dogs (selective, limited to 12 students)
- PDI 564. Topographical anatomy of live horses and cattle (selective, limited to 12 students)
- PDI 610. Anatomy Clerkship (elective)
- VM 524. Integrative basic sciences

Personal: Gardening, growing (or killing) orchids, tricycling, dog sports

Anatomist

Name: Molly M. Conley

Contact Information: conleymo@cvm.msu.edu

Interests:

Teaching: PDI 518 & PDI 519 (Gross anatomy I and II); summer anatomy course for Vetward Bound 3rd year students.

Anatomist

Name: Sharon Thon, L.V.T.

Contact Information: thon@cvm.msu.edu

Education: Veterinary Technology, Michigan State University, 1982

Interests:

Teaching: PDI 518 & PDI 519 (Gross anatomy I and II)

Personal: Family, gardening, running, biking

Anatomy Curriculum

- **Size of class:** ~110 to 115
- **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:** one
- **# contact hours of small animal anatomy per week:** 6 hours of lab, 2 hours of lecture
- **# of semesters/terms of large animal anatomy:** one
- **# contact hours of large animal anatomy per week:** 6 hours of lab, 2 hours of lecture
- **Do you offer an anatomy elective? If so, please describe.**
    - All students must take one selective (from a total of ~ 30 selectives, offered throughout the college) in the spring of their 2nd year and the fall of their 3rd year. There are 4 Anatomy selectives: 2 topographical anatomy selectives (large and small animals; imaging, cadaver and live animal work); surgical anatomy (cadaver, small animal); equine hoof (journal discussions).
    - In the clinical phase, a 3 week elective anatomy clerkship is offered: the subject to be determined after consultation with one or more of the anatomy faculty.

Strengths and Challenges of the Anatomy Program

One of the main challenges is the low number of instructors relative to the number of students. We have compensated for this to some degree by creating dissection videos that show students how to dissect and find the structures of interest.

Additional Information (institutional grants, new teaching methodologies, news of interest)

We substituted goats for larger ruminants in the 2012 large animal anatomy course for first year students, which helped reduce costs. We are actively discussing possible changes to the anatomy teaching, but have not arrived at any conclusion as of Summer 2012.