University of Missouri ACVD Residency Program

1. Program name and location:

UNIVERSITY OF MISSOURI DERMATOLOGY RESIDENCY PROGRAM
University of Missouri Veterinary Health Center-Wentzville
1092 Wentzville Parkway, Wentzville MO 63385
(636) 332-5041
Fax (636) 327-6400

2. Is the program currently on ACVD Probation? No If yes, please describe the reasons for probation, what is being done to correct them and when the program is scheduled to be off probation?

3. Mentor(s):
Karen L. Campbell, DVM, MS (Clinical Pathology)
Diplomate, American College of Veterinary Dermatology
Diplomate, American College of Veterinary Internal Medicine
1. Years in ACVD: 30
2. Years as Mentor: 27

4. Specific requirements for applying to the program:
   a. Be a graduate of an AVMA approved veterinary school or college or a graduate of an accredited and recognized school from another country
   b. Completion of one year internship or equivalent practice experience
   c. Licensed to practice veterinary medicine in the United States with ability to obtain professional veterinary license in state of Missouri
   d. Anticipate application submission through the VIRMP
   e. Be of satisfactory moral and ethical character including but not restricted to being honest and truthful, not be habitually intoxicated or addicted to drugs, and not to have been convicted of cruelty to animals.
   f. Meet all ACVD residency requirements-see www.acvd.org

5. Length of residency in years: 3

6. Is a Master’s degree or PhD required? No

7. When the residency was first offered?

This is a new program primarily located at University of Missouri’s Veterinary Health Center in Wentzville

8. Has it been continuous since then? N/A If not continual what years was the residency offered? ________________
9. How many residents have been accepted into the program since inception? 
   _0ne (current)_
   How many of these have become board certified dermatologists? _N/A_ (has 
   not yet completed training)___

10. What is the average annual dermatology caseload for the institution over the 
    past 5 years? N/A -- approximately 1500/year

11. What is the average total caseload seen the entire residency? 4500 total for 
    service

12. On average, how many new patients, rechecks and consults does the program 
    see per year? (give these in actual numbers of cases) 
    a. New cases: 900 
    b. Rechecks: 600 
    c. Consults: 20

13. On average, what percentage of the program’s cases are dogs and cats? 
    dogs _82_    cats _17_    others _1_

14. On average, how many exotic, equine and farm animal cases does the program 
    see per year? Exotics _2_   Equine _2_   Farm animals _2_ 
    Other species seen during days working at the Veterinary Health Center in 
    Columbia and at the St. Louis Zoo which has a petting zoo in addition to a wide 
    variety of species of mammals, reptiles, amphibians and birds

15. What percentage of time is the mentor in clinics with the resident while the 
    resident is seeing cases during the resident’s first year: ___95%___, second: 
    ___90%___ and third: ___85%___? 
    (This means that the mentor is either physically seeing patients with the 
    resident or can be contacted by phone and available to see the case within one 
    hour of being called.)

16. Does the program have access to other specialists?     YES
    If so, please list:

    Dae Young Kim, DVM, PhD, DACVP
    Clinical Associate Professor, MU Veterinary Pathobiology
    Leader, VMDL Histology and Immunohistochemistry Section
    Coordinator, Small Animal Internal Medicine Pathology
    Teaches Dermatopathology and leads Dermatopathology Rounds biweekly

    Tara J. Ehling, DVM, DACVR-RO
    Clinical Assistant Professor, MU Veterinary Health Center Wentzville
    Radiation Oncologist and Medical Oncology
David Senter, DVM, DACVD
Michelle LeRoy, DVM, DACVD
Adjunct Clinical Assistant Professors, MU Veterinary Health Center Columbia
Dr. Senter and Dr. LeRoy see cases four days per month in Columbia; resident works with Dr. Senter and/or Dr. LeRoy in Columbia two days per month

Luis Padilla, DVM, DACZM
St. Louis Zoo Veterinarian and Director of ZooMed Residency Training Program
Will coordinate consultations regarding dermatological conditions of animals at St. Louis Zoo

17. Please describe your library access:
University of Missouri’s College of Veterinary Medicine’s library is physically located in Columbia, MO, resident will have access to checking books out from the library and has full access to MU’s extensive online textbook and journal collections, The College of Veterinary Medicine’s librarian is available to assist with obtaining materials from other library collections through interlibrary loan program. Additionally, Dr. Campbell has an extensive collection of veterinary and medical textbooks that are available for the resident to use in studying.

18. Does the program have statistical support for their residents’ research projects? Yes

19. Does the program have direct access to any basic science or clinical science laboratories that the resident can use for research proposes?

Yes—the majority of these are located in Columbia however are available to the resident

If yes, please describe the types of laboratories available and interactions that the resident may have with them.

Wide variety of laboratories available for collaborative studies in microbiology, pharmacology, clinical pathology/endocrinology, histopathology, etc.

20. How often do the residents and mentors have the following rounds?
(For each type of rounds, please list how often they are held, how long each session is, and a detailed description of how they are conducted.)

a. Case rounds:
Case rounds with students and resident are held informally during receiving with a recap at the end of each day. Mentor will also meet separately with resident each day to discuss cases. Average of 6 hours per week.
b. Journal club:
Journal reading assignments are sent electronically; currently resident and mentor are participating in a journal article discussion group that includes 3-5 dermatology residents and 2-4 ACVD Diplomates with video-conference meetings for two hours every other week. Additional articles are discussed by resident and mentor to support training in dermatology and related fields.

c. Histopathology training:
Residents have access to glass slides from each case he/she biopsies (extra slide is prepared for dermatology’s use) and also access to slides from past cases. Histopathology rounds are taught by a pathologist (currently led by Dr. Dae Young Kim) and are attended by other pathologists, pathology residents and dermatologists-Dr. Senter, Dr. LeRoy and/or Dr. Campbell). Dermatology Pathology Rounds are held for one hour every other week; on the other weeks mentor (Karen Campbell) is available to review slides with resident and will also review slides from classical examples of skin diseases. *Skin Diseases of the Dog and Cat 2nd Edition* will be used as the primary textbook for didactic studying in dermatohistopathology under direction of the mentor (Karen Campbell). Direct contact time with mentor and/or pathologists will average 4 hours per month. Resident will spend an additional 4-8 hours per week in guided studying of histopathology, examining slides and writing descriptions of slides.

d. Basic science learning rounds:

Mentor (Karen Campbell) will provide direct involving in the resident’s study and discussion of foundational knowledge related to dermatology and relevant other subject areas. The resident will be given assigned readings with written questions to answer, and in some cases will also be required to prepare chapter summaries and questions over the material read. Areas that will be studied include: Structure and Function of the skin including biochemistry, embryology, anatomy and physiology of the skin and adnexal structures; Large Animal Dermatology/Equine Dermatology; Immunology; Dermatohistopathology; Pharmacology; Exotic Animal Dermatology, Biostatistics; Genetics, Bacteriology/Mycology/Virology/Parasitology, Internal Medicine/Endocrinology/Nutrition/Oncology; Clinical Pathology and Comparative Dermatology. Additionally the resident and mentor participate in a two hour monthly video-conference meeting that is coordinated by Valerie Fadok and includes 4-6 veterinary residents and 3-5 ACVD Diplomates in discussions of basic science topics and supporting journal articles.

21. Resident’s benefits: (Please give a general list of benefits and then whom a potential candidate should contact to get more specific information on salary and benefit packages)
Health insurance, dental insurance, vision insurance, retirement program, vacation and paid sick leave are University of Missouri employee benefits, contact Dr. Campbell and David Wilson (VHC Hospital Director) for details.

22. Does the program allow the resident to attend the NAVDF (North American Veterinary Dermatology Forum) meeting annually?
   Yes

23. Does the program pay for the resident to attend the NAVDF meeting annually?
   Partial support is provided by the university ($600/year)

24. Average number of days a resident will spend on clinics per month
   14-16 weekdays (70% time)

25. Average number of days a resident will spend on non-clinical pursuits per month (not including Sundays or holidays):
   6-8 weekdays (30% time); in addition there are no clinical duties on Saturdays

26. Does the resident have to take general medicine emergency duty? __no____ If so how often:

27. Does the resident take Dermatology emergency duty? __no____
   If so how often: currently every other week (rarely called)

28. Is time allotted for externships in other subspecialties or at other dermatology practices? Not allocated but available. If so explain: up to 6 weeks during the residency can be spent on externships working with another dermatologist and/or studying with a dermatopathologist

29. How much time is allotted off clinics for board preparation? Varies depending on resident’s progress in completing program requirements and use of vacation time; entire program focuses on training and board preparation.

30. How much time is allotted to carry out a research project (grant writing, data collection, paper preparation) during the residency (please report in number of weeks)? ~30% of residents time is off clinics, additional time will be provided off clinics if needed for completion of research project and publications

31. What are the other responsibilities/duties of the resident?
   a. Develop skills necessary for clinical competency through all aspects of primary case responsibility: history, physical examination, create problem lists and differential diagnoses, perform diagnostic testing, interpret
results, formulate treatment plans, provide client and referring veterinarian communication, and follow-up.

b. Develop skills in dermatopathology including interpretation of histological features, knowledge of use of special stains including immunohistochemistry, and application of knowledge regarding dermatopathology to case management. The resident will be expected to review glass slides of biopsies from his/her cases and practice writing complete descriptions, morphologic and pathologic diagnoses.

c. Review of cases including discussion of case management with mentor. The resident will discuss all cases with mentor and introduce mentor to all new clients during the first year of the residency. The degree of direct supervision may be reduced during the second and third year based on the resident’s clinical competency, however all cases will continue to be discussed with the mentor.

d. Personally conduct patient follow-up examinations whenever possible. If not possible, the resident is responsible for telephone follow-up with the client, and where feasible the referring veterinarian. Follow-up is critical development of clinical competency; the resident is responsible for maintaining involvement and continuity of case management.

e. Maintain a case log as required by the ACVD, including date, name, signalment, working/definite diagnosis, and follow-up dates. Caselog should be submitted for review by preceptor quarterly to ensure adequate follow-up of cases is being pursued by the resident.

f. Maintain medical records in accordance with the standards of the University of Missouri’s Veterinary Health Center.

g. Provide telephone consultations to referring veterinarians.

h. The resident will develop and present three one-hour didactic lectures for referring veterinarians and/or students during the residency.

i. The resident will participate in teaching of veterinary students on dermatology rotations.

j. The resident will complete assignments given by mentor.

k. The resident will submit a yearly progress report to the ACVD Education Committee.

l. The resident will either prepare reports on two cases which he/she was the primary clinician or alternative publications that will meet the requirements of the ACVD credentialing process. The resident will be expected to submit credentials to the ACVD credentials Committee during the final year of his/her residency. This includes submitting questions for the examination (mentor will also submit questions for the examination annually).

m. The resident will fulfill all other requirements of the education committee of the ACVD pertaining to continuing education, and attendance at the NAVDF annual meetings.

32. How many residents has the program had over the past 10 years?

N/A – this is a new program
33. How many/what percentage of the above residents (question 31) passed credentials on the
   a. First submission N/A
   b. Second submission
   c. Third submission or more
   d. Never passed credentials

34. How many/what percentage of the above residents (question 31) sat boards for the first time
   a. The year they finished their residency N/A
   b. One year after finishing their residency
   c. Two or more years after finishing
   d. They never took boards

35. How many / what percentage of the above residents (question 31) passed the board exam on their
   a. First time taking the exam N/A
   b. Second time taking the exam
   c. Third time or more taking the exam
   d. Never passed

36. Is your residency program reviewed by an outside committee at your university? no
    If yes how often?

37. Please list the papers published by your last 5 residents.
    N/A – this is a new program

38. Names of your last 5 residents and whether they are willing to be contacted by potential residents:
    N/A – this is a new program