

Missouri Veterinary Dermatology Center ACVD Residency Program -- NEW

1. Program name and location:

MISSOURI VETERINARY DERMATOLOGY CENTER RESIDENCY PROGRAM

University of Missouri Veterinary Health Center-Wentzville
1092 Wentzville Parkway, Wentzville MO 63385
(636) 332-5041
Fax (636) 327-6400

2. Has the program ever been placed on ACVD Probation within the past 8 years?
No (new program, previous program at this location was successful in resident training)

3. Mentor(s):

- a. Sarah E. Hoff, MPH, DVM
Diplomate, American College of Veterinary Dermatology
 1. Years in ACVD: 2
 2. Years as a Mentor: will be mentoring first resident
- b. Karen L. Campbell, DVM, MS (Clinical Pathology)
Diplomate, American College of Veterinary Dermatology
Diplomate, American College of Veterinary Internal Medicine
 1. Years in ACVD: 34
 2. Years as Mentor: 32

4. Specific requirements for applying to the program:

- a. Be a graduate of an American Veterinary Medical Association ("AVMA")-approved veterinary school or college, or a graduate of an accredited and recognized school from another country.
- b. Be approved to practice veterinary medicine in a state of the United States of America, province of Canada, or country of citizenship, and have an active veterinary license that is in good standing with the applicable jurisdiction.
- c. Be a member of the national veterinary association in their program's country (ex. AVMA, CVMA, etc.)
- d. Have completed a one-year internship or practice equivalency (See Section 13: Monitoring Programs)
- e. Abide by the ACVD Ethics Pledge and Code of Conduct, the AVMA Principles of Veterinary Medical Ethics ("PVME"), and applicable laws, and not have any felony (or equivalent) convictions.
- f. Contact mentors (reception@missourivetderm.com; sehoff@missouri.edu; campbellmotsingerk@missouri.edu) to express your interest in our program.

5. Length of residency in years: 3
6. Is a Master's degree or PhD required? No
7. Is the program Provisional or Established?

Provisional

- a. When was the residency first offered?

This will be a new program to start July 2024, primarily located at the Missouri Veterinary Dermatology Center in Wentzville, Missouri (a previous resident, Lindsay McAuliffe, completed a residency during 2018-2021 at this location when the dermatology service was part of the University of Missouri's Veterinary Health Center in Wentzville, since 2021 the dermatology service has been owned by CARES LLC).

- b. Has it been continuous since then?

N/A

- c. If not continual, what years was the residency active?

8. Is the program funded by the parent institution or an external source? (if external, name the funder)

Is funded by CARES LLC (private practice corporation)

- a. Is a post-residency commitment required? (if so, describe)

No

- b. What is the annual resident salary?

\$50,000 first year; \$52,000 second year; \$54,000 third year

- c. Other resident benefits: (Please give a general list of benefits and then whom a potential candidate should contact to get more specific information on benefit packages)

Professional license fees, professional liability insurance, health insurance plans, dental and vision insurance plans, a 401k retirement plan and a pet health care plan/discount are available – contact reception@missourivetderm.com for additional information.

9. How many residents does the program train concurrently?

As a new program we will have one resident during the first three years.

- a. How many residents have been accepted into the program since inception?

This is a new program, however one resident was previously accepted and successfully completed training at this location when the Dermatology Service was a part of the University of Missouri's Veterinary Health Center in Wentzville.

- b. How many of these have become board certified dermatologists?

The previous resident who trained at this location when the Dermatology Service was part of the University of Missouri's Veterinary Health Center-Wentzville is now a board-certified dermatologist.

10. What is the average annual dermatology caseload for the institution over the past 5 years? 2400 cases/year
11. What is the average total caseload seen the entire residency? 7200 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: 800
 - b. Rechecks: 1600
 - c. Consults: 20
13. On average, what percentage of the program's cases are dogs and cats?
- a. Dogs 82%
 - b. Cats 18%
 - c. Others <1%
14. On average, how many exotic, equine and farm animal cases does the program see per year?
- a. Exotics: 1
 - b. Equine: 0
 - c. Farm animals: 0
- May be able to arrange consults at the St. Louis Zoo which has a petting zoo in addition to a wide variety of species of mammals, reptiles, amphibians and birds (we have done this in the past "pro bono")
15. What percentage of time is a mentor in clinics with the resident while the resident is seeing cases during the resident's first year: 98%, second: 90% and third: 85%?
- (This means that a 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

Shirley Chu, DVM, PhD, DACVIM-Oncology
Clinical Assistant Professor, MU Veterinary Health Center Wentzville
Radiation Oncologist and Medical Oncology

Resident will have an Adjunct Instructor appointment with the University of Missouri and will be able to consult with faculty members in almost all veterinary specialties at the University of Missouri; CARES LLC currently has two veterinary clinics staffed with board-certified veterinary ophthalmologists in the St. Louis metropolitan region who we also work with.

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 books from the library and has full access to MU's extensive online textbook and journal collections, a university librarian is available to assist with obtaining materials from other library collections through MU's interlibrary loan program; resident will also have access to the ACVD's online library and to the mentors' personal collections of books and journals.

18. Does the program have statistical support for their residents' research projects? Yes (Dr. Hoff's MPH was in Epidemiology and resident can also consult with statisticians at the University of Missouri)

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

Yes—located in Columbia, resident will have an adjunct appointment with the University of Missouri and would have options to collaborate with faculty and utilize laboratories if needed for her/his research project

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 include discussions during receiving with a recap at the end of each day. Mentor(s) will also meet separately with resident each day to discuss cases. Average of 4 hours per week.

b. Journal club:

Resident and mentors will participate in a consortium of dermatology mentors and residents that meet via video-conference to discuss reading assignments utilizing PowerPoint presentations and/or typed summaries to emphasize important information. During weeks when the consortium is not meeting additional journal reading assignments will be given to the resident who will prepare a 1-page summary of key points plus 1-2 multiple choice or short answer questions over the material in the article. Resident and mentor(s) will meet for approximately 4 hours per month to discuss the articles (review summaries and discuss any questions or additional insights regarding topics in the assigned articles). Resident will spend 2-4 additional hours per week reading and preparing for journal club discussions.

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-mentors (and also Dr. Senter and/or Dr. LeRoy) via Zoom. Dermatology Pathology Rounds are held for one hour every other week; other weeks mentors will meet with resident to review cases that we have biopsied 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 mentors. 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:

The mentors and resident will participate in a consortium of dermatology mentors and residents (currently led by Dr. Valerie Fadok) that meets via video-conferencing once a month to discuss important foundational basic

science topics in veterinary dermatology. The residents are assigned topics and/or papers to review and present to the group using PowerPoint or typed summaries. Additionally the mentors (Drs. Hoff and Campbell) will provide the resident with assigned readings with written questions to answer, and in some cases the resident 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. Resident will spend 4 hours per month in discussions with mentor(s) and another 16 hours per month in guided studying of subject material (including writing answers to study questions given to resident by mentor).

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)

Options for health insurance, dental insurance, vision insurance, retirement program, vacation and paid sick leave and a pet health care plan/discounts are provided by CARES LLC, contact Susan Merideth (susan_merideth@gbbo.org) or Kristen Mueller (tkjmueller@gmail.com) or reception@missourivetderm.com 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?
Yes (CE stipend provided)

24. Average number of days a resident will spend on clinics per month
20 weekdays (80% time)

25. Average number of days a resident will spend on non-clinical pursuits per month (not including Sundays or holidays):

4 weekdays (20% time); in addition, there are no clinical duties during evenings or on weekends

26. Does the resident have to take general medicine emergency duty? no If so how often: N/A

27. Does the resident take Dermatology emergency duty? no
If so how often: N/A

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 other dermatologist(s) and/or studying with a dermatopathologist

29. 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)? ~20% of residents time is off clinics (10 weeks/year), additional time may be provided off clinics if needed and agreed upon by the mentors based on the type of project and how the resident has utilized off clinic time.

30. 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. Case log will be submitted for review by preceptor quarterly to evaluate cases variety and ensure adequate follow-up of cases is being pursued by the resident.
- f. Maintain medical records in accordance with the standards of the State of Missouri and the practice.

- g. Provide telephone consultations to referring veterinarians.
- h. Assist in teaching clinical dermatology to veterinary students during rotations in the clinic (approximately 50% of year).
- i. The resident will be expected to develop and present four one-hour didactic lectures for referring veterinarians and/or students during the residency.
- j. The resident will be expected to complete assignments given to him by his mentor (e.g., summaries of journal articles with a critique and two questions based on the content of each article, and answers to assigned questions or summaries of assigned scientific readings).
- k. The resident will submit a yearly progress report to the ACVD Education Committee.
- l. The resident will prepare a report on a case which he/she was the primary clinician to will meet the case report requirement 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.
- m. The resident will be expected to fulfill all other requirements of the education committee of the ACVD pertaining to continuing education, and attendance at the NAVDF or an equivalent annual veterinary dermatology CE meeting.

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

N/A – this is a new program (one previous resident at this location while under different practice ownership)

32. How many/what percentage of the above residents (question 31) passed credentials on the

- a. First submission N/A (previous resident at this location, under different practice ownership, passed credentials on first submission)
- b. Second submission
- c. Third submission or more
- d. Never passed credentials

33. 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 (previous resident at this location, under different practice ownership, sat for boards first time eligible)
- b. One year after finishing their residency
- c. Two or more years after finishing
- d. They never took boards

34. How many / what percentage of the above residents (question 31) passed the board exam on their

- a. First time taking the exam N/A (previous resident at this location, under different practice ownership, passed board exam on first try)
- b. Second time taking the exam
- c. Third time or more taking the exam
- d. Never passed

35. Is your residency program reviewed by an outside committee at your university? N/A (not a university program)
If yes how often?

36. Please list the papers published by your last 5 residents.

N/A – this is a new program

(previous resident at this location, under different practice management, McAuliffe LR, Koch CS, Serpell J, Campbell KL: Associations between atopic dermatitis and anxiety, aggression, and fear-based behaviors in dogs. J Am Anim Hosp Assoc 2022; 58:161-167; doi: 10.5326/JAAHA-MS-7210.

37. Names of your last 5 residents and whether they are willing to be contacted by potential residents:

N/A – this is a new program

(previous resident at this location, Lindsay McAuliffe, is willing to be contacted at lindsay.r.mcauliffe@gmail.com)