

Detailed Program Description for ACVD Website - 2023

1. Program name and location:

**Michigan State University, College of Veterinary Medicine
Department of Small Animal Clinical Sciences
Veterinary Medical Center
736 Wilson Road, Room D-211
East Lansing, MI 48824-6524**

2. Is the program currently on ACVD Probation?
NO

3. Mentor(s):

a. Name: **Annette Petersen, Dr.med.vet., Diplomate ACVD**

1. Years in ACVD: 18
2. Years as a Mentor: 18

b. Name: **Bailey Brame, DVM, Diplomate ACVD**

1. Years in ACVD: 2
2. Years as a mentor: 2

b. Name: **Paul Bloom, DVM, Diplomate ACVD**

1. Years in ACVD: 21
2. Years as a Mentor: 21

c. Name: **Erica Noland, DVM Diplomate ACVP**

1. Years in ACVP: 5
2. Years as a Mentor: 5

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 a one-year internship or private practice/internship equivalency.
- c. Be approved to practice veterinary medicine in a state of the United States of America, province of Canada, (non-us citizens are currently unable to be accepted)
- d. Application Form (Currently not in the VIRMP)
 - 1.. Transcript of University performance
 - 2.. Letter indicating your reasons for seeking this program and how you would propose to use this training.
 3. Letters of Reference

1. Number of letters: 3
2. Suggestions of persons supplying letters: Veterinarians with knowledge of your training and experience (two from clinicians).
- h. Curriculum Vitae
- i. Other requirements:
 1. Personal interview is **strongly** suggested.

5. Length of residency in years: **3**

6. Is a Master's degree or PhD required? **No** If so, which _____

7. When the residency was first offered? 1989
Has it been continuous since then? No
If not continual what years was the residency offered? 1989-2020 and 2023

8. How many residents have been accepted into the program since inception?
-13__

How many of these have become board certified dermatologists? 10

9. What is the average annual **dermatology caseload** for the institution over the past 5 years? 500 - 700 cases per year (**this number does NOT include consults**)

10. What is the average total caseload seen the entire residency? 1500-2000 cases (average cases annually times the number of years of residency – **this number does NOT include consults**)

11. 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 – 300 - 350
- b. Rechecks – 200 - 250
- c. Consults – 100

12. On average, what percentage of the program's cases are dogs and cats?
dogs 80 cats 18

13. On average, how many exotic, equine and farm animal cases does the program see per year? Exotics 0.0% Equine 1.8% Farm animals 0.2%

14. What percentage of time is the mentor in clinics with the resident while the resident is seeing cases during the resident's first year: 99%, second: 95% and third: 90+%.
(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.)

15. Does the program have access to other specialists?

If so, please list:

- a. Internal Medicine
- b. Emergency and Critical Care Medicine
- c. Oncology
- d. Cardiology
- e. Ophthalmology
- f. Neurology
- g. Wildlife Medicine
- h. Soft Tissue Surgery
- i. Orthopedic Surgery
- j. Anesthesiology
- k. Diagnostic Imaging (Radiology, Ultrasound, CT, and MRI)
- l. Equine Medicine and Surgery
- m. Food Animal Medicine and Surgery
- n. Dermatohistopathology
- o. Clinical Pathology
- p. Surgical Pathology
- q. Microbiology (Bacteriology, Mycology, Virology)
- r. Endocrinology
- s. Molecular Genetics
- t. Pharmacology and Toxicology
- u. Nutrition Support Service
- v. Dentistry
- w. Veterinary Hospice Service
- x. Advanced Rehabilitation Center
- y. Immunodiagnostics (Immunohistochemistry)

16. Please describe your library access:

- a. Main Science Library with complete online access to scientific journals
- b. Access to MSU Libraries-Inter-Libraries Services – allows access to articles only available from remote off campus sites or for out of print and hard to access journal articles

17. Does the program have statistical support for their residents' research projects? __Yes__

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

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

Consultation with the following laboratories:

and use of lab space if needed in support of any research interests including: Dermatohistopathology, Endocrinology, Microbiology (Bacteriology, Mycology, Virology), Clinical Pathology, and Molecular Genetics.

19. 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: These are held on a daily basis, Monday through Thursday for 10½ months each year over the 3 years of the program. These are usually held for ~1-1½ hours at the end of each day.
- b. Journal club: These are held twice monthly on Friday from 1:00-3:00 P.M. The mentors assign the articles for each session, and each individual is assigned specific articles for critical review. The mentors will begin each session with a critical review and discussion of the lead article for each session. In attendance for each session are the resident, Dr. Annette Petersen, and Dr. Paul Bloom, Dr Alondra Martin and Dr. Ed Rosser and the resident (both from Dr Bloom's clinic and MSU CVM derm resident).
- c. Histopathology training: These are held twice monthly on Friday from 10:00-12:00 A.M. The sessions are led by our Board Certified Veterinary Pathologist, Dr. Erica Noland who has a specific interest and training in the field of veterinary dermatohistopathology. These are done using a 12 headed Olympus microscope or via zoom. In attendance for each session are the resident, Dr Noland, Dr. Petersen, Dr. Bloom, Dr Rosser, sometimes former dermatology residents and usually, 1-3 pathology residents with an interest in dermatohistopathology and veterinary students on the current dermatology rotation.
- d. Basic science learning rounds: These are held twice monthly on Friday from 3:00-5:00 P.M. Assigned readings are given to the resident prior to each session and this material is then reviewed with Dr. Bloom.

20. 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)

- a. Full faculty benefits are given with medical, dental, and vision insurance coverage options to choose from.
- b. Contact person - Tammy Pike (piket@msu.edu) or phone (517-355-6570), our coordinator of the Intern/Residency Matching Program.

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

22. Does the program pay for the resident to attend the NAVDF meeting annually? **Yes.**

23. Average number of days a resident will spend on clinics per month: **12**

24. Average number of days a resident will spend on non-clinical pursuits permonth (not including Sundays or holidays): **8**

25. Does the resident have to take general medicine emergency duty? No If so how often:

26. Does the resident take **Dermatology emergency** duty? Yes
If so how often: Only as a backup during the evening hours and weekends along with Dr. Petersen.

27. Is time allotted for externships in other subspecialties or at other dermatology practices? **Yes**. If so explain: Up to 3 weeks are allowed to visit another dermatology program, but that program **must** be involved in the training of residents in an ACVD approved program.

28. How much time is allotted off clinics for board preparation? 4 weeks at the end of the program if the resident has successfully completed the credentials process for sitting the ACVD Board Exam at the end of the third year.

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)? 4-8 weeks, depending on the nature of the project

30. What are the other responsibilities/duties of the resident?

- a. Responsible for in-house and external dermatology telephone consultations when on primary duty.
- b. To teach veterinary students while on primary duty in SCS-644, the Dermatology Clerkship and dermatology labs.
- c. Give a 50-minute lecture in VM-534, Cutaneous Systems 2 in year one, then to repeat that lecture and give a second 50-minute lecture in year two, then repeat both lectures in year three.
- d. Define a research project to be completed during the residency, which is then presented during the Resident's Forum of the NAVDF in year two.
- e. To have the findings of this research project accepted in a peer reviewed scientific journal.
- f. To present one 50-minute seminar on a dermatology topic of your choice during the weekly House Officer Seminars in year one, a second one during year two, and a third one in year three.

31. How many residents has the program had over the past 10 years? 4

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

- a. First submission -3
- b. Second submission-0
- c. Third submission or more-0
- d. Never passed credentials-0
- e. Never submitted credentials – 1

33. How many/what percentage of the above residents (question 31) sat boards for the first time

- a. The year they finished their residency -
- b. One year after finishing their residency – 3
- c. Two or more years after finishing
- d. They never took boards – 1

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

- a. First time taking the exam – 3
- b. Second time taking the exam –
- c. Third time or more taking the exam
- d. Never passed
- e. Never sat the exam – 1

35. Is your residency program reviewed by an outside committee at your university? **No**
If yes how often?

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

Innerå M, **Petersen A**, Desjardins D, Steficek B, Rosser E, Schott H. Comparison of hair follicle histology between horses with pituitary pars intermedia dysfunction and excessive hair growth and normal aged horses. *Vet Derm*, Vol 24, Issue 1, February 2013, p. 212-e47

Detwiler, A., Bloom, P., Petersen, A., Rosser, E.J.: Multi-drug and methicillin-resistance of staphylococcal species isolated from canine patients at the Michigan State University Veterinary Teaching Hospital (2006-2011). *Veterinary Quarterly*, 33 (2), 60-67, 2013.

Hasbach, A., Langois, D., Rosser, E., Papich, M.: Pharmacokinetics and Relative Bioavailability of Orally Administered Innovator-Formulated Itraconazole Capsules and Solution in Healthy Dogs. *Journal of Veterinary Internal Medicine*, 31:1163-1169, 2017

Zijin Zhou, Sarah Corner, Annette Petersen, Edmund Rosser, Erica Noland
Clinical presentation, treatment and outcome in dogs with pemphigus foliaceus with and without vasculopathic lesions: an evaluation of 41 cases; *VetDerm*, Vol 32 Issue 5, October 2021, p 503-e139

Zijin Zhou, Erica Noland, Edmund Rosser, Annette Petersen: Sterile neutrophilic dermatitis in a cat associated with a topical plant-derived oil flea preventative
VetDerm, vol33, Issue 1, February 2022, p 87-90