Detailed Program Description for ACVD Website

1. Program name and location: 3-year Dermatology Residency
   Colorado State University
   James L. Voss Veterinary Teaching Hospital
   300 West Drake Road
   Fort Collins, Colorado 80523

2. Is the program currently on ACVD Probation? No.

3. Mentor(s):
   Jennifer Schissler DVM, MS, DACVD
   1. Years in ACVD: 8
   2. Years as Mentor: 5

   Educator: Rod Rosychuk DVM, DACVIM
   Years in Dermatology education at CSU> 30

4. Specific requirements for applying to the program:

   Residents must meet the minimum requirements for the graduate program at
   Colorado State University. Application information is available from: Morna
   Mynard, Graduate Program Coordinator: morna.mynard@colostate.edu
   Department of Clinical Sciences, College of Veterinary Medicine and Biomedical
   Sciences, Colorado State University, Fort Collins, CO 80523-1678.
   Most residency positions are filled through the matching program of the American
   Association of Veterinary Clinicians (AAVC). Application is complete online
   located at: virmp.org.

   Applicants are usually recruited from internship programs or private practice.
   Candidates must hold the DVM degree or its equivalent. No limit is placed on the
   number of years a candidate has been graduated from veterinary school,
   however, the applicant must have completed an internship, or one year of private
   practice.

   All students accepted into the residency training program have the option of
   earning a Masters of Science degree. Several classes are required by the
   Graduate School during the course of their residency program for all residents
   regardless.

   Of note for MS students need to register for at least 5 credits each semester (Fall
   and Spring) or be enrolled in continuous registration throughout the residency
   program in order to be classified as a half-time student and avoid having
   retirement benefits deducted from their monthly salary. Continuous registration
   (CR) is used to remain a graduate student while not taking coursework in any
   given semester. The College will cover the cost of in-state tuition for up to 6
credits each semester or 36 total credits and the cost of CR when used. Enrolled residents will receive tuition assistantships to cover out of state tuition costs during the first year of the residency program. Thereafter, residents who have established Colorado Resident status will continue to have in-state tuition costs covered by the College. It is, therefore, very important that a resident establish Colorado residency status during the first year of their residency to avoid paying out of state tuition costs in the second and third years of the residency program. The resident should initiate the process of establishing state residency immediately after arrival in the program. Claiming to have lived in Colorado for 1/2 of your first year of your residency on your income tax is critical to establish Colorado in-state status.

International students, since they cannot establish Colorado residency, will therefore be responsible for the difference between in state and out of state tuition costs each semester.

The American College of Veterinary Dermatology requires that all residents meet the following requirements:

a. Be a graduate of an approved veterinary school or college or a graduate of an accredited and recognized school from another country.

b. Have completed a one-year internship or practice equivalency.

c. Be approved to practice veterinary medicine in a state of the United States of America, province of Canada, or country of citizenship.

d. Be a member of a national veterinary medical association (i.e. AVMA).

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

5. Length of residency in years: 3 years

6. Is a Master’s degree or PhD required? No, but a Master of Science degree is an option for interested residents. Several courses are required for all CSU residents to take during their residency, including a statistics and a research seminar course.

7. When the residency was first offered? July 2000

Has it been continuous since then? No

If not continual what years was the residency offered? 2000-2003 (3 year combined MS/residency program under different mentor, Dr. Ralf Mueller.

Dr. Sonja Zabel, mentored a very similar program (3 year combined MS/residency program at CSU, started 2008, concluded in 2011 with 2 residents during that time)
8. How many residents have been accepted into the program since inception?
   Seven
   a. How many of these have become board certified dermatologists?
      All four candidates who have completed their residency have become ACVD diplomates.
      One resident is scheduled to complete the program in July 2017, and one is scheduled to complete the program in July 2018.

9. What is the average annual dermatology caseload for the institution over the past 5 years?
   New cases: 452
   Rechecks: 1203
   Consults: 102

10. What is the average total caseload seen the entire residency? See below (average cases annually times the number of years of residency)

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: Average yearly new cases 128 x 3 = 384 per residency
    b. Rechecks: Average yearly recheck 378 x 3 = 1134 per residency
    c. Consults: Average yearly consults 41 x 3 = 123 per residency

12. On average, what percentage of the program’s cases are dogs and cats?
    a. Dogs 91%
    b. Cats: 8%

13. On average, how many exotic, equine and farm animal cases does the program see per year?
    a. Exotics: 4
    b. Equine: 10
    c. Farm animals: 4
    (Per resident. Numbers for entire service are higher)

14. What percentage of time is the mentor in clinics with the resident while the resident is seeing cases?
    First year: 95%
    Second year: 95%
    Third year: 95%
    (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.)

   Note that the times in which Dr. Schissler is not able to see cases within one hour of being called, she is available by phone and/or Dr. Rod Rosychuk is available for consultation in person as well.
15. Does the program have access to other specialists? If so, please list:

   a. Anesthesiology
   b. Cardiology
   c. Microbiology
   d. Epidemiology
   e. Clinical pathology
   f. Anatomic pathology
   g. Radiology
   h. Radiation oncology
   i. Oncology
   j. Soft Tissue Surgery
   k. Orthopedic Surgery
   l. Ophthalmology
   m. Emergency and Critical Care
   n. Internal Medicine
   o. Theriogenology
   p. Neurology
   q. Equine Medicine Internal Medicine
   r. Equine Surgery
   s. Dentistry
   t. Production Animal Internal Medicine
   u. Production Animal Surgery
   v. Laboratory animal medicine
   w. Avian and exotic animal medicine
   x. Physical therapy, sports medicine, rehabilitation
   y. Nutrition
   z. Sports Medicine and Rehabilitation

16. Please describe your library access:

   The Colorado State University Veterinary Medical Center branch library is conveniently located in the Veterinary Teaching Hospital. Online journals are available, as well as many veterinary books and bound journals. The Morgan library on main campus is accessible by short drive, and holdings can be transported between libraries in 24 hours or less. Electronic or bound journals that are not accessible at these libraries can be obtained via inter-library loan services. In most cases inter-library materials are available within 24 hours from the time of request on weekdays.

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

   Yes, the College of Veterinary Medicine and Colorado State University have statistical support, and these services are sought prior to and after investigation to assure appropriate investigation design and data reporting.

18. Does the program have direct access to any basic science or clinical science laboratories that the resident can use for research proposes? Yes.
The College of Veterinary Medicine and Biomedical Sciences is comprised of four departments: Biomedical Sciences, Clinical Sciences, Environmental Health and Radiological Health Sciences, and the Microbiology, Immunology, and Pathology department. These departments have active research programs, providing potential opportunities for collaboration.

The Veterinary Diagnostic Laboratory is located within the Veterinary Medical Center. CSU Veterinary Diagnostic Laboratory is accredited (full service, all species) by the American Association of Veterinary Laboratory Diagnosticians (AAVLD) meeting standards based on ISO17025 / OIE. The laboratory is also a member of the National Animal Health Laboratory Network (NAHLN).

The laboratory offers a wide variety of services, including, but not limited to: bacteriology, virology, histopathology, endocrinology, therapeutic drug monitoring, toxicology, immunohistochemistry, molecular diagnostics, parasitology, necropsy and serology. These services are not only available for clinical use, but can be utilized for collaborative research efforts.

19. How often do the residents and mentors have the following rounds?

a. **Case rounds**: Case rounds are 4 or 5 times per week for approximately one hour each session. Cases from the day are discussed in detail at the conclusion of receiving with senior students on service, with residents and the faculty member on clinics in attendance.

b. **Subject rounds**: Subjects such as antimicrobial therapy, topical therapy, shampoo therapy and other topics of interest are discussed in detail for an hour each morning with senior vet students prior to receiving patients. Senior students, the resident will attend, and the faculty member on clinics attends early in the residents' program. Throughout the program the resident will teach 4 or 5 topics to veterinary students and will observe topic rounds of the other resident and faculty members.

c. **Journal club**: Journal club is conducted on a weekly basis. The session lasts for two hours and involves discussion and critical review of three to five recent publications in the field of veterinary dermatology. Articles are selected primarily from journals recommended for resident study by the ACVD. Rounds are led by the resident or a faculty member on an alternating basis. At least twice monthly, journal club involves the participation of one to two additional ACVD residents in the state of Colorado and one other ACVD Diplomate (Kathy Tater).

d. **Histopathology training**: Residents attend dermatopathology rounds with dermatology faculty members (Dr. Rosychuk and Dr. Schissler) with an ACVP diplomate (Dr. Patricia Cole) for approximately one hour on a weekly basis. Submissions from the dermatology service as well as the Colorado State University Diagnostic Laboratory’s histopathology service are reviewed. Sections from banks of histopathology slides involving a variety of species and conditions are also discussed to enhance breadth of study. As the resident’s skills progress,
the resident will present their case material to the faculty members and pathologist(s). In the final year, the resident will also be prepared to describe an “unknown” histopathology slides presented at the time of the sessions. At least twice monthly, histopathology rounds involve the participation of one to two additional ACVD residents in the state of Colorado.

d. Book Review/Structure and Function Rounds: These rounds are conducted for approximately 1 hour on a weekly basis. Structure and function of the skin is reviewed via assigned readings including primary literature reviews and Fitzpatrick’s Dermatology in General Medicine. Review sessions will also cover bacteriology, mycology, immunology, endocrinology, pharmacology and other topics essential for general understanding of veterinary dermatology. This is similarly accomplished via assigned readings from selected textbooks and primary literature. The mentor will provide additional presentations and questions for key topics to supplement readings. The resident may integrate these materials to create a study guide to prepare for the ACVD certifying examination.

20. Resident’s benefits:

a. Salary: Base stipend is established according to university policy for each resident at the time of admittance to the program. The stipend will commence July 14th the first year of the residency, and will end July 15th of the final year of a three year residency.

b. Fringe Benefits:

   **Vacation** - Residents are allowed 12 working days of vacation per year to be taken at times arranged with their section chief and advisor. A maximum of 24 days of vacation can be accumulated and must be approved by their mentors. Vacation time may not be taken as terminal vacation at the end of the 3 year residency program, or utilized to end the residency early. Advisors are encouraged to schedule vacation time for their residents annually so as to avoid creating scheduling problems and loss of vacation days.

   **Meetings** - Residents will usually be permitted to attend one specialty or national meeting each year during their program with approval of the section chief. At this time residents are eligible for $1250 in travel money during their 3-year program. Expenses of residents presenting papers at national or specialty meetings will be funded when possible at the recommendation of the Department Head and will receive priority over attendance alone.

   **Externship** - Depending on the residency program, residents may be allowed to take up to three months of their three year program in some other job-related position relevant to their training program. Leave is to be
arranged at the discretion of the section chief and with departmental concurrence. Reciprocal exchange is encouraged. All expenses except salary are to be met by the resident. Performance will be evaluated by the sponsor.

**Insurance** - Residents are eligible for a suite of benefits including medical, dental, vision, and disability insurance, life and voluntary accidental death insurance, participation in flexible spending reimbursement accounts, sick leave accrual and employee study privilege. Enrollment in a retirement plan is required and is effective upon the date of employment and includes and employer match starting in year 2 of employment. Residents are also covered by workmen’s compensation and liability insurance.

Please note that salary and some benefits are dependent upon whether or not the residency is sponsored by the college or self-funded. For specific program details, please see contact Morna Mynard (morna.mynard@colostate.edu).

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

22. Does the program pay for the resident to attend the NAVDF meeting annually? No. There is a total for travel of $1250.00 during the residency.

23. Average number of days a resident will spend on clinics per month: Cases are received 4 days a week, with in-house consultations 5 days per week. Therefore, residents are on clinical duty 5 days a week, Monday-Friday). Wednesday is primarily reserved for study, rounds and occasional procedures. The resident is offered a total of 25 weeks of off-clinic time (not including the NAVDF meeting) during their 156 week residency to pursue their research project and other scholarly pursuits.

24. Average number of days a resident will spend on non-clinical pursuits per month (not including Sundays or holidays): At least 2 weekdays and 3 Saturdays per month.

25. Does the resident have to take general medicine emergency duty? No. We have a 24/7 emergency and critical care department. Residents are on call to give dermatology advice to those clinicians, if needed

26. Does the resident take Dermatology emergency duty? Residents provide consultation back-up for dermatology emergency and after-hours cases with the mentor available for assistance. Emergencies are rare and typically handled over the phone and occasionally require the resident to go to the teaching hospital.
On-call schedules are determined between residents with each having on call duties 50% of the time on weekends and nights if there are two residents.

27. Is time allotted for externships in other subspecialties or at other dermatology practices? Externships are encouraged as a means to further knowledge and experience in an area of the resident’s choosing and are taken in designated off-clinic weeks, but are not a requirement of the program.

28. How much time is allotted off clinics for board preparation? There is not a specific period of time allotted. However, the resident is encouraged to organize their off-clinic time to allow for boards study (2-4 weeks) at the end of their residency, which is permitted. The resident is expected to review exam subject matter throughout their residency.

29. How much time is allotted to carry out a research project (grant writing, data collection, paper preparation) during the residency?

Up to 25 weeks may be potentially scheduled over 3 years at the discretion of the residency mentor and head of service. Off-clinic time must be organized 4 weeks ahead of the time off to accommodate the receiving schedule. Most residents take 2-4 weeks off each year for approved off-clinic activity.

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

The resident is required to provide veterinary students case-based clinical instruction as well as facilitate case and subject rounds on receiving days. Residents must satisfy course requirements (statistics and research seminar course for those electing not to pursue a MS degree), research and publication requirements and pass a final oral examination to obtain their residency certificate.

For more information contact Morna Maynard (morna.maynard@colostate.edu) or view program requirements here:  http://csu-cvmbs.colostate.edu/Documents/clinsci-resident-ms-combined-policy.pdf

31. How many residents has the program had over the past 10 years? 6

4 of the six are boarded and passed their credentials as described below

2 are actively in their programs and have not submitted their credentials packets

1 will begin their residency in July 2017

32. How many/what percentage of the above residents passed credentials on the:

a. First submission? 3
b. Second submission? 1
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? 3  
   b. One year after finishing their residency? 0  
   c. Two or more years after finishing? 1 (Two years after completion. Resident had contingency plan as a result of mentor changing location).  
   d. They never took boards? 0

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? 1  
   d. Never passed?

35. Is your residency program reviewed by an outside committee at your university? Yes, yearly.

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


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

   Clarissa Souza: clarissa.pimentel_de_Souza@colostate.edu  
   Andrew Simpson (current resident) - yes: andrew.simpson@colostate.edu  
   Jeremy Bachtel - yes: jeremycb@mail.colostate.edu  
   Loren Cohen - yes: lorenbcohen@gmail.com  
   Kerstin Henneveld Wildermann - yes: khenneveld@googlemail.com  
   Sonja Zabel - yes: szabel@uga.edu