1. **Overview**

This Food Animal Internal Medicine residency program has been designed to provide in-depth training in internal medicine and related basic and applied sciences. The program has been developed to provide residents with a comprehensive knowledge of medical conditions affecting large animals, particularly food animals. Our program strives to prepare residents for active careers in academia or specialty practice, and the caseload provides an excellent and broad experience over the duration of the residency. The residency will fulfill the training requirements and partially fulfill the requirements for certification by the American College of Veterinary Internal Medicine.

The primary mentors of the training program are faculty of the Veterinary Diagnostic and Production Animal Medicine Department (VDPAM) and the Department of Veterinary Clinical Sciences (VCS).

Clinical facilities of the Hixson-Lied Small Animal Hospital and Dr. W. Eugene and Linda Lloyd Veterinary Medical Center (VMC) will be the primary training location for the Iowa State University (ISU) portion of the residency.

**Residency Summary**

In accordance with ACVIM guidelines (GIG 2015-2016), this residency program will consist of 3 years of supervised training and clinical experience in the discipline of Large Animal Internal Medicine. This program will allow a graduate veterinarian to acquire in-depth knowledge of veterinary internal medicine and its supporting disciplines under the supervision and guidance of diplomates of the ACVIM. Dr. Amanda Kreuder, DVM, PhD, DACVIM (LAIM) will serve as the Program Director and primary Resident Advisor of record for the incoming resident. Applicants for the residency will be required to have completed either a rotating 12-month internship in large animal practice or a minimum of 2 years of clinical practice experience prior to the start of the residency. Evaluation of the resident will be performed by the Resident Advisor every six months as mandated by the ACVIM. Completion of a master’s degree or PhD concurrent to the residency training are optional to allow further experience in clinical and basic sciences research, however, will likely involve increasing the length of the residency training program. The resident is expected to participate in all aspects of case management including receiving, examination, diagnosing, daily case management, client communication, discharging, and follow-up communication. They are also expected to rotate through emergency on call duty and emergency case management on a rotating basis with other Food Animal house officers and clinicians. During emergency duty, the resident will have a scheduled faculty member as a back-up to provide consultation and
physical assistance as needed. The resident will primarily be on clinical duty within the Food Animal Hospital, however, rotations within the Equine Hospital as well as other ACVIM-related services within the Iowa State Teaching Hospital will be highly encouraged. These rotations will be scheduled in coordination with the faculty on these services to prevent an overabundance of residents on the clinic floor.

2. **Objectives**

2.1 To provide advanced training in clinical problem solving and diagnostic and therapeutic techniques in the specialty field.

   2.1.1 To become familiar with diseases afflicting veterinary patients and to be able to logically correlate all clinical data in order to formulate and execute correct treatment plans.

   2.1.2 To provide a firm understanding of the underlying pathophysiological basis of disease.

   2.1.3 To master the art and science of complete patient care, assess outcomes and to appreciate the economic and emotional factors involved in the health care of animals.

   2.1.4 To develop the art of interpersonal communications for proper colleague and client relationships.

2.2 To provide didactic and tutorial teaching training and experience.

2.3 To satisfy the requirements for specialty college examination.

2.4 To provide experience in scientific and clinical case presentation through the seminar and house officer rounds program.

2.5 To provide experience in the preparation and submission of scientific articles for publication and/or presentation.

2.6 To provide experience in designing and conducting a clinical research project.

3. **Prerequisites**

3.1 Candidates must have a DVM or an equivalent degree.

3.2 Candidates must have satisfactorily completed at least a one year rotating internship or its equivalent post graduate veterinary experience.
3.3 Candidates must have successfully completed the National Board examination or its equivalent in the certifying country; must be approved to practice veterinary medicine in the United States.

3.4 Candidates must be/become licensed to practice veterinary medicine in the state of Iowa prior to employment.

3.5 Candidates must have the goal of specialty board certification.

3.6 Candidates must have a satisfactory moral and ethical standing.

3.7 Candidate must be eligible for or already accredited by the USDA for purposes of issuing Certificates of Veterinary Inspection and other regulatory duties.

4. **Faculty Advisor**

4.1 The resident will be assigned to a faculty advisor (mentor) who has Diplomate status in their specialty field in the first month of the program. This may be the same or a different person than the Program Director.

4.2 Responsibilities of the advisor/mentor include:

   4.2.1 The advisor will directly oversee the resident’s training and act as a liaison with other faculty members in the College of Veterinary Medicine.

   4.2.2 Direction and coordination of the clinical program.

   4.2.3 Advice toward research, publications, and preparation for specialty board examinations.

   4.2.4 Approval of requests by faculty for the resident to participate in teaching, research or other activities.

   4.2.5 Advising on preparation and reviewing presentation performance of seminars and case rounds.

   4.2.6 Professional guidance.

5. **House Officer Presentations & Rounds Programs**

The LVMC offers House Officers several educational opportunities to enrich their training programs and obtain teaching experience. Some of these opportunities are in collaboration with other departments within the College. The menu of rounds and seminars is tailored to assist House Officers in literature review and board preparation.
and to expose them to a broad range of clinical and academic experiences. The weekly LVMC Seminar/Case Presentation Program requires attendance and participation by all House Officers while participation in other rounds is program dependent.

5.1 The **LVMC House Officer Seminar/Case Presentations Program** is designed to provide House Officers the opportunity to receive and present interesting, unusual, or difficult clinical material utilizing a problem oriented approach to professional colleagues and to develop manuscripts for publication.

5.1.1 All House Officers will participate and give presentations on a rotating basis. These presentations are scheduled by the Resident responsible for coordinating these presentations.

5.1.1.1 All presentation topics are to be approved by the House Officer’s advisor **1 month** prior to the scheduled presentation.

5.1.1.2 All presentations are to be reviewed by the advisor or appropriate topic mentor **1 week** prior to the presentation to allow the House Officer time to make the recommended modifications.

5.1.2 House Officer attendance is required at all sessions. Attendance will be taken at the beginning of each session.

5.1.2.1 Notify the Chair of the House Officer Committee when an absence is anticipated (due to vacation or out-rotations and when due to illness).

5.1.2.2 Excused absences include the following: illness, annual leave, attendance or participation in a continuing education program, presentation of a lecture, scheduled out-rotation or special service requirement per request of the advisor. All other absences are unexcused unless deemed excusable by the House Officer Advisor.

5.1.3 House Officers will be required to present an additional seminar if they have more than one unexcused absence during a program year.

5.1.4 **LVMC House Officer Case Presentations** are designed to provide House Officers the opportunity to receive and present interesting, unusual, or difficult clinical case material utilizing a problem oriented approach to professional colleagues and to develop manuscripts for publication.

5.1.4.1 All House Officers will deliver a minimum of one case presentation each year of their program.
5.1.4.2 Case selection should be approved by the House Officer’s advisor or mentor well in advance of the presentation.

5.1.4.3 Case presentations should utilize the problem oriented approach, have good follow-up, include a discussion of the pertinent current literature and take approximately 15 minutes to present with an additional 5 minutes for discussion.

5.1.4.4 Members of the audience will complete evaluation forms giving comments on the quality of the presentation with suggestions for improvement. (*See appendix F*)

5.1.5 **LVMC House Officer Seminars** are designed to provide House Officers with the opportunity to research and present scientific information and then discuss the topic with professional colleagues.

5.1.5.1 A minimum of one seminar will be prepared and given by each House Officer in each year of their program. Some programs require two seminar presentations each year (*see section 8 for specific program requirements*).

5.1.5.2 Topic selection should be focused and approved by the House Officer’s advisor at least one month in advance of the scheduled presentation date and prior to performing an in-depth literature search.

5.1.5.2.1 Topics might include a literature search in preparation for writing a research grant.

5.1.5.2.2 The presentation may be the results of a research project.

5.1.5.2.3 The topic might be an area of interest or one which will improve your expertise and understanding.

5.1.5.3 Seminar presentations of approximately 40 minutes are expected with an additional 10 minutes available for discussion.

5.1.5.4 Members of the audience will complete evaluation forms giving comments on the quality of the presentation with suggestions for improvement. (*See appendix G*)

5.2 Seminar/Rounds Schedule and participation requirement:

| Type: LVMC HO Seminar/Case Presentation | Frequency: weekly (Thursday 8 a.m.) | Commitment: required |
Service Rounds w/students | per program | required
Radiology-Pathology Rounds | monthly (Tuesday 8 a.m.) | required
Morbidity/Mortality Rounds | monthly (Tuesday 8 a.m.) | suggested
ECG Rounds | monthly | suggested
Student Grand Rounds | weekly (Friday 8 a.m.) | suggested
Journal Club | weekly | required
Textbook Review Session | weekly | suggested

6. Teaching Program

6.1 Throughout the program residents will be viewed as role models by both interns and professional students. They should always present themselves in a professional manner.

6.2 The resident will participate in clinical instruction and evaluation of veterinary students assigned to clinics.

6.3 The resident will participate in preclinical didactic lecture and laboratory instruction as assigned by his/her advisor.

7. Board Certification

7.1 An important credential in veterinary medicine is board certification in a specialty area. One of the objectives of the program is to prepare the resident for certification by the American College of Veterinary Internal Medicine.

7.2 In order to qualify for examination, the resident should refer to the published requirements of the college.

7.3 It is solely the responsibility of the resident to submit any material and fees required by the specialty college for registration, credentials application, or board examinations. (www.acvim.org)

8. Clinical Program

Below is a description of the 52 weeks per year of training for a resident not pursuing concurrent graduate program.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
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</table>
8.1 **Year I Resident's Program**

8.1.1 Weeks of training described in table above. The clinical schedule will be prepared by the resident advisor. Special circumstances such as vacation or leave should be requested and approved by the resident advisor in advance (at least one month).

8.1.2 The residents will participate in the instruction of clinical students and interns. Participation in CVM student laboratories will be assigned.

8.1.3 The resident will participate in house officer rounds, ward rounds, journal club, special topic conferences, seminars, and other scheduled conferences of the LVMC. He/She will attend other scheduled seminars in the CVM as time permits.

8.1.4 The resident will present 1 seminar and 1 case presentation (to faculty and house officers) on topics of interest to the resident during LVMC House Officer Seminar/Case Presentation sessions.

8.1.5 The resident may attend a major professional meeting at some point during the program with the advice and approval of his/her faculty advisor and the house officer committee. Expenses will be paid by the resident. The meeting must be scheduled during a non-clinical block.

8.1.6 The resident is encouraged to attend and participate in continuing education meetings sponsored by the CVM or by local and regional veterinary organizations.
8.1.7 The resident must register with the ACVIM (www.acvim.org) within 90 days of starting his/her residency program and follow their requirements.

8.1.8 The resident is encouraged to prepare a research proposal; review it with his/her faculty mentor, and submit it for funding consideration.

8.1.9 The resident may, with the approval of the resident's advisor and the medicine faculty, participate in clinically relevant graduate courses. Course work must not interfere with the clinical and instructional responsibilities of the resident.

8.1.10 The resident is required to take emergency call in rotation with other house officers.

8.2 Year II Resident's Program

8.2.1 Weeks of training described in table above. The clinical schedule will be prepared by the resident advisor. Special circumstances such as vacation or leave should be requested and approved by the resident advisor in advance (at least one month).

8.2.2 ACVIM requires 2 case reports to be accepted over the course of the residency program as part of the credentialing process. The resident will be expected to submit one case report to the ACVIM by the October 1 deadline of the second year, as well be strongly encouraged to submit a second case report by the March 1 deadline.

8.2.3 The resident is strongly encouraged to begin work on a research project that will lead to publication. Topic considerations should be discussed with his/her mentor prior to beginning the project.

8.2.4 The resident will present 1 seminar and 1 case presentation (to faculty and house officers) on topics of interest to the resident during LVMC House Officer Seminar/Case Presentation sessions.

8.2.5 The resident should submit forms and fees (see ACVIM.org for cost and deadlines) to take the ACVIM general exam and prepare for the ACVIM general exam which he/she will take in the spring of the second year.

8.2.6 The resident is required to give at least 1 hour of didactic instruction in courses offered to veterinary students.

8.2.7 The resident is required to take emergency call in rotation with other house officers.
8.3 **Year III Resident's Program**

8.3.1 Weeks of training described in table above. The clinical schedule will be prepared by the resident advisor. Special circumstances such as vacation or leave should be requested and approved by the resident advisor in advance (at least one month) or leave should be relayed to the resident advisor as soon as possible.

8.3.2 If not submitted earlier, the resident will submit one paper suitable for publication to their mentor and the House Officer Chair by June 1.

8.3.3 The resident will present 1 seminar and 1 case presentation (to faculty and house officers) on topics of interest to the resident during LVMC House Officer Seminar/Case Presentation sessions.

8.3.4 If two case reports have not been previously accepted by the ACVIM, the resident will submit 1 or 2 case reports to the ACVIM by October 1 and March 1 of the third year until this requirement is completed.

8.3.5 The resident should submit forms and fees (see ACVIM.org for cost and deadlines) to take the ACVIM certifying exam and prepare for the ACVIM certifying exam which he/she will take in January of the third year (assuming all requirements by the ACVIM have been met).

8.3.6 The resident is required to give at least 1 hour of didactic instruction in courses offered to veterinary students.

8.3.7 The resident is required to take emergency call in rotation with other house officers.

8.4 **Year IV Resident's Program** *(N/A)*

8.5 **External Rotations**

8.5.1 **Required:** External rotations (away from ISU) may be necessary if the number of qualified diplomates, caseload or equipment are insufficient to provide required training or training in another specialty area is needed.

8.5.1.1 Outside rotations are not required of this program, but will be considered if desired by the resident. All finances in support of an outside rotation will be the responsibility of the resident. ACVIM currently sponsors Food Animal Internal Medicine Travel Grants for residents to travel to other institutions to gain experience outside of what is available at their home institution; residents are encouraged to apply for this funding if a suitable outside rotation is identified.
8.5.2 Elective: The purpose of an elective block is to allow resident/intern the opportunity to learn skills and obtain knowledge in clinical areas of special interest. In coordination with the program director and advisor, the resident/intern may select a clinical block within the ISU CVM or at another medical facility. The resident/intern should seek rotations at other facilities only if this opportunity does not exist at the ISU CVM.

8.5.2.1 Protocol:

8.5.2.1.1 A minimum of four to six months prior to the scheduled elective present your proposal to your advisor for preliminary approval.

8.5.2.1.2 Contact the desired elective site and determine the feasibility of your rotation, including start and end dates. Present them with preliminary objectives and determine if they are able to fulfill these objectives.

8.5.2.1.3 Determine if professional insurance will be required by the elective site and procure appropriate insurance.

8.5.2.1.4 Write formal objectives for your elective and present them to your advisor to request approval from the program faculty.

8.5.2.1.5 Present the approved objectives to your elective mentor. Obtain a letter from the mentor of your elective rotation stating they or their institution can meet the objectives you have set forth and they will be willing to formally evaluate your performance.

8.5.2.1.6 Present the letter of acceptance from your elective mentor to the program faculty & director for final approval.

8.5.2.1.7 Perform admirably in your elective rotation. Arrange for the completed elective evaluation form (Appendix I) to be sent to your program director/advisor from the elective mentor. The evaluation should include comments regarding the fulfillment of the agreed upon objectives.

8.6 Emergency duty

All House Officers will participate in emergency duty with other residents, interns and faculty. Emergency duty commits the House Officer to evening, weekend and holiday duty on a rotating basis. While such activities will be closely supervised early in the program, the House Officer is expected to develop appropriate skills in emergency patient care which will require less supervision as the program progresses.

No resident or specialty intern will be scheduled for more than 80% of their time for primary emergency duty. Their emergency duty will be limited to their area of
specialty training. All emergency duty assignments will be backed up by a faculty member in the specialty area.

9. **Scholarly Activities**

The Lloyd Veterinary Medical Center requires its residents to participate in scholarly activity such as literature reviews, and basic, applied or clinical research. To that end the resident is encouraged to:

9.1 Design a research project to address a specific question or problem in the discipline.

9.2 Write a research grant proposal that may be used to seek funding for the project.

9.2.1 The anticipated timeline for completion of the proposal should be December of the 1st year.

9.2.2 Proposals are to be submitted for funding.

9.3 Conduct the research according to the experimental design.

9.3.1 Research is to be conducted during off-clinic time unless research is a clinical trial which can be conducted while on clinics.

9.3.2 Completion is expected during the residency.

9.4 Analyze and report the results of the project

9.4.1 Research is to be presented to the VCS faculty and House Officers during seminar.

9.5 Publication of these results in a refereed journal is expected.

9.5.1 A manuscript suitable for publication is to be completed prior to the conclusion of the residency.

10. **Facilities and Equipment**

10.1 The College of Veterinary Medicine, Lloyd Veterinary Medical Center (LVMC) is a fully accredited hospital (AAHA, AALAC) with full AVMA accreditation. The facility encompasses the Iowa State Veterinary Diagnostic Laboratory, an accredited (AAVLD) full service laboratory providing clinical pathology, histopathology, immunohistochemistry, immunology, microbiology, virology and toxicology support. The LVMC contains full service small and large animal medicine and surgery facilities.

10.2 **Library and other Literature Resources**
The Veterinary Medical Library, housed within the College of Veterinary Medicine building, contains both human and veterinary textbooks as well as bound serial publications. Parks library on main campus is easily accessible via daily transport of holdings between libraries upon request. An extensive collection of online journal subscriptions is available to the House Officers free of charge via the Interlibrary Loan/Document Delivery service. Computer-based retrieval systems MEDLINE, CAB and AGRICOLA abstracts are available electronically. A wide selection of current journals is available in the library and online.

10.2.1 Each resident is required to be familiar with pertinent articles in the current literature. Reasonable expenses for photocopying are defrayed by the Hospital.

11. Evaluation and Reappointment

11.1 A written critique will be provided at least every 6 months by the advisor or section. The critique will cover:

11.1.1 Professional ability; to include theoretical knowledge and application of that knowledge, clinical skills, tutorial skills, and scholarly activity.

11.1.2 Hospital services; to include communication skills, patient care, medical record quality, emergency duty quality, and adherence to LVMC protocol.

11.1.3 Personal characteristics; to include responsibility, initiative, interaction with faculty, staff and students, department and leadership.

11.2 The resident will meet with his or her advisor to discuss their progress. A summary of the discussion will be signed by both advisor and House Officer.

11.2.1 In the case of an unsatisfactory performance the advisor and program director will develop an action plan to guide improved performance. The action plan must include the following elements:

11.2.1.1 A list of action items to be accomplished that are detailed, clear, and aligned with a timeline.

11.2.1.2 A specific date for follow-up evaluation.

11.2.1.3 A description of consequences if the action items are not completed by the designated timeline.

11.3 In March of each year, the House Officer Committee will review the year's critiques. Following that review, the committee will make a
recommendation to the Director of Hospital Operations of the Lloyd Veterinary Medical Center to:

11.3.1 Continue the appointment for another year with or without probation

11.3.2 Award a certificate upon satisfactory completion of the program.

11.3.3 Not to reappoint the resident, with a minimum of 30 days’ notice of termination. At the discretion of the House Officer Committee and in consultation with the resident’s service, guidelines can be formulated that if met, may allow the resident to be re-instated at the end of the specified period.

11.3.3.1 House officers that are evaluated as unsatisfactory and are currently working under an action plan are not eligible for a pay increase (usually July 1st). Once the house officer has made significant progress and the action plan marked as successfully completed, they could be eligible for a pay increase (usually January 1st).

11.4 The resident will be asked each year to make an assessment of their program with suggestions for improvement. The evaluation form will be handed out in May or June and must be returned before completion of that year in July.

12. **House Officer Committee**

The committee is comprised of a representative of each house officer program, the VCS Head (ex officio), and the Director of the LVMC (ex officio). It will be responsible for:

12.1 The selection of House Officers from the application pool (with the advice of the faculty of the sponsoring discipline)

12.2 Annual review of the House Officer's progress (in the ninth month of each year)

12.3 Annual recommendation for reappointment of the House Officer or program completion.

12.4 Program approval, renewal, oversight and establishment of policy

13. **Employment and Benefits**

13.1 Iowa State University House Officers are classified as D base employees as either an intern or resident and as such are governed by the House Officers Handbook.
13.2 Iowa State University offers a competitive salary and a comprehensive benefit package to house officers. Full benefits are offered, including medical, dental, and retirement contributions.

13.2.1 All University employees are covered under ISU’s general liability protection. This would provide malpractice protection for veterinary services provided during the normal course of professional practice for the ISU veterinary teaching hospital. If you desire additional malpractice insurance and/or license defense insurance, you should obtain this from a private provider.

13.3 The annual salary for residents is approximately $29,000.00; incremental annual raises may be awarded in the second and third year. The salary (not a stipend) is published in the Directory of Internships and Residencies as published by the American Association of Veterinary Clinicians (www.virmp.org). Salary is payable in monthly increments. Retirement contributions, social security, federal and state taxes are withheld from each paycheck.

13.4 As employees of the University, residents are considered full-time D-base employees and earn 16.0 hours per month of vacation/annual leave (192 hours or 24 days/year) and 12.0 hours per month of sick leave in accordance to ISU’s benefits policy.

13.4.1 Annual leave may only be taken/granted for the amount of time accrued.

13.4.2 Annual leave is to be taken when the house officer is not scheduled on clinic or emergency duty. Vacation requests must be made at least 2 weeks in advance of the desired vacation time.

13.4.3 After approval by the House Officer’s advisor, requests must be made on the standard University Leave Form reviewed by the Program Director/Coordinator and signed by the program’s Section Leader and the Director of Hospital Operations of the Lloyd Veterinary Medical Center. (see Appendix E)

13.4.4 Accrued vacation time must be used during the term of the appointment or it will be forfeited upon termination. Vacation must not be used during the final three weeks of the term of the appointment.

13.5 A cell phone, desk, chair, place for book storage, and filing cabinet are also provided for each House Officer. A computer system is provided with word processing, spread sheet and presentation programs along with unlimited internet access and e-mail.

13.6 The Veterinary Medical Center operates year round. The resident will share with other House Officers an emergency duty rotation. The rotation will commit the
resident to a share of evening, weekend and holiday duty on a scheduled basis.

13.7 Consultation Policy (Outside Employment):
Concurrent employment of the resident at a site other than Iowa State University, College of Veterinary Medicine during their program is allowed provided the activity is approved by the House Officer’s advisor and the program director and a CVM Consultation Request Approval Form is completed and approved by the Director of Hospital Operations and the college dean prior to any consulting activities. (see Appendix D)

13.8 Reappointment to the second, third and fourth year of the residency program is contingent upon satisfactory completion of the previous year's requirements.

14. Applications

14.1 Candidates may apply for the Residency by completing:

14.1.1 A standard residency online application (V.I.R.M.P. application).

14.1.2 A statement of objectives for the residency and subsequent career goals.

14.1.3 A transcript of his/her academic record.

14.1.4 Three letters of reference from individuals currently familiar with the applicant's professional status.

14.1.5 A curriculum vitae.

14.2 Selection is based on:

14.2.1 The above documents.

14.2.2 Interviews may be required.

14.3 For more information about this program, please contact Dr. Amanda Kreuder, Iowa State University, College of Veterinary Medicine, Department of Veterinary Diagnostic and Production Animal Medicine, 1809 South Riverside Drive, Ames, Iowa 50011-3619. (Telephone 515-294-4900; email: akreuder@iastate.edu).

14.4 Iowa State University does not discriminate on the basis of race, color, age, religion, national origin, sexual orientation, gender identity, sex, marital status, disability or status as a U.S. veteran. Inquiries can be directed to the Director of Equal Opportunity and Diversity, 3680 Beardshear Hall, (515) 294-7612.

15. Appendices
A. Faculty in support of the Program
B. Code of Conduct & Collegiality
C. Communication Trees
D. Consultation Request
E. House Officer Leave Request (in LVMC office)
F. House Officer Case Presentation Evaluation Form
G. LVMC House Officer Seminar Evaluation Form
H. House Officer Evaluation Form
I. House Officer External Rotation Evaluation Form
J. Service Expectations
K. Other Forms
Appendix A. **Faculty in Support of the Program**

**Anesthesiology**
Michael Curtis, DVM, PhD, Diplomate ACVAA  
Bonnie H. Kraus, DVM, Diplomate ACVS, Diplomate ACVAA  
Dean H. Riedesel, DVM, PhD, Diplomate ACVAA  
Stefano Di Concetto, DVM, MS, Diplomate ACVAA

**Cardiology**
Jessica Ward, DVM, Diplomate ACVIM (Cardiology)  
Wendy A. Ware, DVM, MS, Diplomate ACVIM (Cardiology)

**Dermatology**
Darren Berger, DVM, Diplomate ACVD  
James O. Noxon, DVM, Diplomate ACVIM (Internal Medicine)

**Dentistry**
Brenda Mulherin, DVM, Diplomate AVDC

**Diagnostic Imaging**
Kristina G. Miles, DVM, MS, Diplomate ACVR  
Elizabeth A. Riedesel DVM, Diplomate ACVR

**Emergency and Critical Care Medicine**
April Blong DVM, Diplomate ACVECC  
Julie Riha, DVM  
Rebecca Walton, DVM, Diplomate ACVECC

**Food Animal Medicine & Surgery**

**Hospital-based:**
Amanda Kreuder, DVM, PhD, Diplomate ACVIM-LAIM  
Jennifer Schleining, DVM, MS, Diplomate ACVS-LA  
Joseph Smith, DVM, MPS, Diplomate ACVIM-LAIM  
Paul Plummer, DVM, PhD, Diplomate ACVIM-LAIM, Diplomate, ECSRHM

**Field-based:**
Patrick Gorden, DVM, ABVP (Dairy)  
Troy Brick, DVM, MS (Beef, Dairy, Small Ruminant, Swine)  
Kelly Still-Brooks, DVM, MPH, Diplomate ACVPM (Small Ruminant Production)  
Paul Plummer, DVM, PhD, ACVIM (LAIM) (Small Ruminant, Camelid, Cervid)  
Terry Engelken, DVM, MS (Beef Production)  
Grant Dewell, DVM, MS, PhD (Beef Production)  
Locke Karriker, DVM, MS, Diplomate ACVPM (Swine Program)

**Internal Medicine-LA**
Brett Sponseller, DVM, PhD, Diplomate ACVIM-LA  
David Wong, DVM, MS, Diplomate ACVIM-LA, ACVECC  
Katarzyna Dembek, DVM, MS, PhD, Diplomate ACVIM-LA

**Internal Medicine-SA**
Albert E. Jergens, DVM, PhD, Diplomate ACVIM (Internal Medicine)  
Chad Johannes, DVM, Diplomate ACVIM (Internal Medicine and Oncology)  
Dana LeVine, DVM, PhD, Diplomate ACVIM (Internal Medicine)  
Karin Allenspach, DrMedVet, FVH, PhD, Diplomate ECVIM (Internal Medicine)  
Jean-Sebastien Palerme, DVM, MSc, Diplomate ACVIM (Internal Medicine)
Laura Van Vertloo, DVM, MS, Diplomate ACVIM (Internal Medicine)

**Neurology**
Rodney Bagley, DVM, Diplomate ACVIM (Neurology), Department Chair (practice limited to consultation)

**Oncology**
Chad Johannes, DVM, Diplomate ACVIM (Internal Medicine and Oncology)
Margaret Musser, DVM, Diplomate ACVIM (Oncology)
Leslie E. Fox, DVM, MS, Diplomate ACVIM (Internal Medicine)

**Ophthalmology**
Rachel Allbaugh, DVM, MS, Diplomate ACVO
Gil Ben-Shlomo, DVM, PhD, Diplomate ACVO
Lionel Sebbag, DVM

**Primary Care**
Bryce Kibbel, DVM
Jennifer Scaccianoce, DVM
Bianca Zaffarano, DVM

**Surgery - SAS**
Cheryl Hedlund, DVM, MS, Diplomate ACVS
Karl Kraus, DVM, MS, Diplomate ACVS
Mary Sarah Bergh, DVM, MS, Diplomate ACVS-SA, Diplomate ACV Sports Medicine
Louisa Ho Eckart, DVM, Hons MS, Diplomate ACVS-SA
William D. Hoefle, DVM, MS, Diplomate ACVS
Eric Zellner, DVM, Diplomate ACVS-SA

**Surgery – Equine**
Stephanie Caston, DVM, Diplomate ACVS-LA
Kevin Kersh, DVM, Diplomate ACVS-LA
Larry Booth, DVM, MS, Diplomate ACVS
Alex Gillen, VetMB, MRCVS, MA, Diplomate ACVS-LA
Tamara Swor, DVM, Diplomate ACVS-LA, Diplomate ACVECC-LA (Surgical Educator)
Dane Tatarinuk, DVM, MS, Diplomate ACVS-LA

**Surgery – Food Animal**
Jennifer Schleining, DVM, MS, Diplomate ACVS-LA

**Theriogenology**
Swanand Sathe, BVSc. MVSc. MS Diplomate ACT
Tyler Dohlman DVM, MS, Diplomate ACT
Nyomi Galow-Kersh, DVM

**Others:**
Frank Cerfoli, DVM (Clinical Skills)
Anges Bourgois-Mochel (Clinical Trials)
Joyce Carnevale, DVM, MS, Diplomate ABVP (Shelter Medicine)
June Olds, DVM (Adjunct, Zoo)
Appendix B. **Code of Conduct and Collegiality**

A code of conduct is meant to help guide professionals in proper interaction with other professionals. No document can be all inclusive or specific. This list is meant to direct a professional veterinarian, or veterinary student, toward proper conduct and interactions within the hospital and college.

1. Each clinician (faculty, residents, and interns) has numerous interactions with veterinary students and should realize that they are role models for these students. Professional attire and language, and appropriate interactions with referring veterinarians are expected at all times. All clinicians must take care to never use denigrating or insulting language when referring to other veterinarians including referring veterinarians, or to students.

2. Clinicians should refer to each other and other veterinarians as “Doctor” while in the hospital and should instruct students to do the same.

3. All clinicians should strive for the best care for all patients in our hospital. It is inevitable that there will be differences of opinion as to what that best care entails. There is also the possibility that a clinician, for whatever reason, is not caring for a patient to a standard appropriate for this hospital. If a clinician feels that a patient is not cared for appropriately or to a certain standard, then that clinician should discuss their concerns with the attending clinician in a collegial manner (in private venue, not in front of colleagues or students).

4. It is appropriate to collegially discuss the care of cases in case rounds and in the presence of the attending clinician on the case. It is inappropriate to question the care of a patient by another clinician in the presence of clients, students, house officers, referring veterinarians, or attending clinicians outside of case rounds or without the presence of the attending clinician. This is a severe breach of medical ethics and may warrant corrective measures.

5. Students and clinicians come from diverse backgrounds and cultures. It is inappropriate to discuss another professional’s personal life while conducting hospital business.

6. **College of Veterinary Medicine Collegiality Policy:**

All CVM employees have a responsibility to maintain a positive workplace that is free of discrimination and harassment. Collegial interactions with all co-workers in the CVM are required. Faculty and staff are expected to model safe and fiscally responsible behavior for students, and are expected to be in compliance with established policies of the CVM and Iowa State University (including the ISU Code of Computer Ethics and Acceptable Use, biosafety regulations, OSPA, purchasing, etc.). All faculty and staff are expected to participate in the annual performance evaluation process.
Appendix C. **Communication Trees**

**Personnel interactions:**

1. **Conflict Recognized**
   - House officer (H.O.)
   - Other person (Technician, intern, resident, faculty) Service 2

2. **Conflict unresolved**
   - H.O. (Service 1) meet with On-clinic service (1) faculty
   - Other person (service 2) meet with On-clinic service (2) faculty

3. **Conflict unresolved**
   - On-clinic service (1) faculty
   - On-clinic service (2) faculty

4. **Conflict Unresolved**
   - Service (1) Leader*
   - Service (2) Leader*

5. **Conflict Unresolved**
   - Service Leaders
   - HO Chair

6. **HO Committee Discussion**
   - Resolution
     - Protocol established
   - Unresolved
     - To Director Hospital Operations (HO & hospital issues)

*Advisors are apprised when deemed appropriate.*
Client Complaint via evaluation of service or other means to Hospital Director or other Administrators:

1. **Problem Reported**
   - Director Hospital Operations to notify House officer’s service faculty mentor & advisor

2. **Problem Investigated**
   - Service faculty mentor meets with House Officer
   - Service faculty mentor discusses with advisor

3. **Problem Discussed**
   - Faculty Advisor meets with House Office to discuss
   - Advisor offers suggestions how to avoid similar problems in the future

4. **Advisor Reports**
   - Episode to HO Program Director
   - Outcome to Director of Hospital Operations

5. **Unresolved Problem**
   - HO Program Director or Director of Hospital Operations reports to HO Committee Chair

6. **HO Committee Chair**
   - No Further action or Committee Discussion
     - HO Committee Discussion

7. **Resolution**
   - Protocol established
   - Corrective action taken
   - Continuation in program discussed

8. **Resolution Reported or Unresolved**
   - To Dept. Head (faculty issues)
   - To Director of Hospital Operations (HO & hospital issues)
Appendix D. Consulting Request

Consulting Request Approval Form

IOWA STATE UNIVERSITY
College of Veterinary Medicine

Date of Request: ____________________

Name: ______________________________

Proposed Date for Consulting Activities: ____________________

Who are you consulting for? ____________________

Where will you be consulting? ____________________

What is the purpose of the consulting activity? ____________________

Reminder: All full-time faculty and P&S staff are required to disclose potential conflicts of interest annually, or whenever their situation changes, whether they think they have a conflict of interest or not. Using the Access Plus system, faculty and P&S staff should go to the Employee tab and click on "COI Disclosure" and fill in the Conflict of Interest Disclosure Form. If you have any questions, please review the COI policy at http://www.provost.iastate.edu/COI/

APPROVAL:
Department Chair: ____________________

Director of Hospital Operations: ____________________

College Dean: ____________________

Please Note: Must be approved by the Department Chair, Director of Hospital Operations (when applicable) and Dean prior to consulting activity.

3/24/15
Appendix E. **House Officer Leave Request (in LVMC office)**

**VCS/VMC ABSENCE/OVERTIME REQUEST**

<table>
<thead>
<tr>
<th>NAME ______________________________</th>
<th>DATE ________________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning Date of Leave ____________</td>
<td>Last Date of Leave __________</td>
</tr>
</tbody>
</table>

**NUMBER OF HOURS ABSENT**

<table>
<thead>
<tr>
<th>_____ Vacation Leave</th>
<th>_____ Sick Leave</th>
<th>_____ Emergency Leave</th>
<th>_____ FMLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____ Converted Vacation</td>
<td>_____ Emergency Leave</td>
<td>_____ Funeral Leave</td>
<td>_____ Leave w/o pay</td>
</tr>
<tr>
<td>_____ Comp Time Leave</td>
<td>_____ Authorized Travel</td>
<td>_____ Other</td>
<td></td>
</tr>
</tbody>
</table>

**EMERGENCY PHONE NUMBER**

<table>
<thead>
<tr>
<th>________________________________</th>
</tr>
</thead>
</table>

**OVERTIME**

<table>
<thead>
<tr>
<th>_____ Comp Earned (Med Rec Required)</th>
<th>_____ Comp Pay Out (Med Rec Required)</th>
</tr>
</thead>
</table>

**TOTAL COMPENSATORY HOURS WORKED**

<table>
<thead>
<tr>
<th>________________________________</th>
</tr>
</thead>
</table>

**Employee’s Signature:**

<table>
<thead>
<tr>
<th>________________________________</th>
</tr>
</thead>
</table>

**APPROVED:** Supervisor __________________________ Date __________

**Chair/Director** __________________________ Date __________

**Guidelines for Scheduling Leave:**

The procedure for requesting *vacation* is as follows:

1. Determine the times/days for your absence.
2. Confirm the time and dates with your program director and advisor.
3. Fill out an Absence Request card (sample enclosed) *two weeks in advance of your planned vacation day(s)*.
4. Have the card signed by your program director.
5. Give the card to the person in charge in the Hospital Director’s Office
6. Inform the reception desk of your absence and the dates.
7. Place a red card in your message slot at the front desk indicating you are not in the clinic.

The procedure for requesting an approved *out-rotation* is similar:

1. Approved out-rotations are considered authorized leave.
2. Notify advisor and program director well in advance of your intent to participate in an out-rotation.
3. Organize the rotation with an approved program and mentor at the out-rotation location with the assistance of your advisor &/or program director.
4. Obtain final approval of the program director at least four weeks in advance of the rotation.
Case Presentation Evaluation Form

House Officer: ___________________________________________________________

Date: __________ Topic: ___________________________________________________

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>E = excellent</td>
<td>G = good</td>
</tr>
</tbody>
</table>

Case Selection

<table>
<thead>
<tr>
<th>Complexity of case</th>
<th>______</th>
<th>__________________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriate case follow-up</td>
<td>______</td>
<td>__________________________</td>
</tr>
</tbody>
</table>

Content

| Format of presentation (complete, logical, appropriate length) | ______ | __________________________ |
| Use of problem-oriented approach (data or evidence to support important points) | ______ | __________________________ |
| Knowledge of subject (well researched, accurate, comfortable, question response) | ______ | __________________________ |
| Discussion (relevance, good references, accurate) | ______ | __________________________ |
| Conclusions | ______ | __________________________ |

Delivery

| Clarity of speech (mumbles, clear, pronunciation, vocalized pauses [uh, um, well, so, etc.]) | ______ | __________________________ |
| Rate of delivery (too fast, too slow) | ______ | __________________________ |
| Eye contact (consistent, entire audience, notes) | ______ | __________________________ |
| Body language/enthusiasm (nervous, relaxed, self-confidence) | ______ | __________________________ |

Effectiveness of presentation

| Use of visual aids (spelling, wordiness, colors, clarity, appropriate images, organized) | ______ | __________________________ |
| Professionalism (attire, appropriate humor, self-confident) | ______ | __________________________ |

Questions handled appropriately

| ______ | __________________________ |

Additional Comments:

________________________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________________________

Evaluator: __________________________________________________________
Appendix G. **LVMC House Officer Seminar Evaluation Form**

**LVMC House Officer Seminar Evaluation**

**Presenter:** ____________________________  **Date:** __________________________

**Audience:** _______________________________________________________________________

**Title/Topic:** _____________________________________________________________________

**Evaluation Criteria:**

<table>
<thead>
<tr>
<th>Points</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5 pts</td>
<td>__________</td>
</tr>
</tbody>
</table>

1. Definition of Subject: introduction, importance, clinical significance

2. Organization: 0-15 pts  __________

3. Quality of material, scientific depth 0-15 pts  __________

4. Presence: Speaking ability
   a. Clarity 0-10 pts  __________
   b. Rate of delivery 0-10 pts  __________
   c. Enthusiasm, expressiveness, mannerisms 0-10 pts  __________

5. Visual aids: slides & text, images, graphs 0-10 pts  __________

6. Appropriate summary? 0-5 pts  __________

7. Presentation consistent with audience level? 0-10 pts  __________

8. Questions/discussion handled appropriately? 0-10 pts  __________

**Total**  __________

**Comments:** ________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

Evaluator: ____________________________
Appendix H. **House Officer Evaluation Form**:

**ACVIM Food Animal Internal Medicine Resident Evaluation Form**

<table>
<thead>
<tr>
<th>Resident:</th>
<th>______________________________</th>
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<tbody>
<tr>
<td>Dates of Evaluation:</td>
<td><strong><strong>/</strong></strong>/___ through <strong><strong>/</strong></strong>/___</td>
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</tbody>
</table>

**Case Knowledge:**

<table>
<thead>
<tr>
<th></th>
<th>Beef:</th>
<th>Dairy:</th>
<th>Sheep/Goat:</th>
<th>Camelid:</th>
<th>Swine:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case Knowledge:</td>
<td>Unsatisfactory □</td>
<td>Satisfactory □</td>
<td>Excellent □</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case Knowledge:</td>
<td>Unsatisfactory □</td>
<td>Satisfactory □</td>
<td>Excellent □</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case Knowledge:</td>
<td>Unsatisfactory □</td>
<td>Satisfactory □</td>
<td>Excellent □</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case Knowledge:</td>
<td>Unsatisfactory □</td>
<td>Satisfactory □</td>
<td>Excellent □</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case Knowledge:</td>
<td>Unsatisfactory □</td>
<td>Satisfactory □</td>
<td>Excellent □</td>
<td></td>
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</table>

**Comments:**

**Technical Ability:**

<table>
<thead>
<tr>
<th></th>
<th>Technical Ability:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Ability:</td>
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</tbody>
</table>

**Student Teaching:**

<table>
<thead>
<tr>
<th></th>
<th>Student Teaching:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Teaching:</td>
<td>Unsatisfactory □</td>
</tr>
</tbody>
</table>

**Rounds Participation/Presentations:**

<table>
<thead>
<tr>
<th></th>
<th>Rounds Participation/Presentations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds Participation/Presentations:</td>
<td>Unsatisfactory □</td>
</tr>
</tbody>
</table>

**Comments:**
Professionalism/Collegiality/Appearance:

- Unsatisfactory □  Satisfactory □  Excellent □

Comments:

Communication (Written and Verbal):

- Unsatisfactory □  Satisfactory □  Excellent □

Comments:

Research Efforts:

- Unsatisfactory □  Satisfactory □  Excellent □

Comments:

Progress towards Board Certification:

- Unsatisfactory □  Satisfactory □  Excellent □

Comments:

Overall:

Strengths:

Weaknesses:
General Comments:

Overall Satisfactory Performance:  
Yes  □  No  □

Program Director_________________________________Date:____/_____/_______
Appendix I. **House Officer External Rotation Evaluation Form:**

Lloyd Veterinary Medical Center
House Officer Evaluation for External Rotations
(away from ISU)

<table>
<thead>
<tr>
<th>House Officer:</th>
<th>Rotation Location:</th>
<th>Dates:</th>
<th>ISU Faculty Advisor/Program Director:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Excellent</th>
<th>Good</th>
<th>Satisfactory</th>
<th>Needs Improvement</th>
<th>Unsatisfactory</th>
<th>Not Evaluated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Remarks</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Professional Ability**
- Theoretical knowledge
- Application of knowledge
- Technical skills

**Professional Development**
- Awareness of current literature
- Ability to make independent decisions
- Attendance at seminars/rounds
- Participations in seminar/rounds
- Contribution to student education

**Personal Characteristics**
- Quality of faculty/supervisor interaction
- Quality of intern/resident interaction
- Quality of student interaction
- Quality of staff interaction
- Independence and initiative
- Maturity
- Motivation
- Attitude and enthusiasm
- Leadership qualities

**Hospital/Clinical Service**
- Completion of duties
- Quality of work
- Acceptance of service responsibilities
- Work towards service objectives
Record keeping
Communication with RDVMs
Communication with clients

Overall Performance

Appendix J. **Service Expectations:**

Please review these at [https://vetzone.cvm.iastate.edu/policies-and-documents/](https://vetzone.cvm.iastate.edu/policies-and-documents/)

Appendix K. **Other Forms:**