



RESIDENCY TRAINING PROGRAM REGISTRATION
2019-2020
CARDIOLOGY

Part One

New applications for ACVIM Residency Training Programs must be received by the Residency Training Committee (RTC) 90 days prior to any residents beginning training. Before completing this form, please review the general and specific requirements for Cardiology Residency Training Programs in the ACVIM Certification Manual (CM). The current version of the CM is available on the ACVIM website at www.ACVIM.org.

Prior to making significant changes in a residency training program, approval of the ACVIM and Cardiology RTC must be obtained. The Candidate and/or Program Director must notify ACVIM, in writing before the changes are made to ensure that the proposed changes are approved. Significant changes could include, but are not limited to the following: changes in Program Director or advisors, transferring from one program to another, alterations in program duration, locations of secondary site training, switching to a 'dual board' program or enrolling in an institutional graduate program.

Notice: The data collected in this form is necessary both for the ACVIM to maintain its accreditation as a Registered Veterinary Specialty Organization and also is required for renewal of the residency training program. Some of the data collected is required of every specialty and some is specific to the specialty of Cardiology.

For multi-site residency programs: To ensure uniformity of training and compliance with current CM requirements, training programs that include multiple sites must provide detailed information regarding supervision and facilities available at each specific site(s). Multi-site programs, if any, will be addressed by the Program Director in Part Two.

Program Director Name:

Must be an active Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology

Program Director's Contact Information:

Work Phone:	<input type="text" value="(573) 882-7821"/>
Mobile Phone:	<input type="text"/>
E-mail:	<input type="text" value="leachsb@missouri.edu"/>
Mailing Address:	<input type="text" value="Medicine & Surgery, CVM
900 E. Campus Dr., Clydesdale Hall
Columbia, MO 65211"/>

1. Location of Sponsoring Institution (Primary Site of Residency Training Program):

Primary Site Location:	Length of Training Program:
<input type="text" value="University of Missouri"/>	<input type="text" value="3 year"/>

2. Resident Advisor(s): Must be a Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology. There is no restriction on the number of Resident Advisors; however, each Resident Advisor can supervise up to two residents concurrently.

<input type="text" value="Stacey Leach"/>

3. Supervising Diplomate(s) on-site: Must be an active Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology.

<input type="text" value="Stacey Leach - Cardiology
Bryan Eason"/>
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4. Diplomates of ACVIM responsible for supervision of clinical training who specialize in areas other than Cardiology. If off-site, please explain the situation, and the method of providing direct contact with the resident.

Name and Specialty	Comments
Philip Johnson - LAIM John Middleton - LAIM C. Austin Hinds - LAIM Pamela Adkins - LAIM Rachel Oman - LAIM Brian Shoemake - LAIM Joan Coates - Neurology Dennis O'Brien - Neurology Carolyn Henry - Oncology Jeffrey Bryan - Oncology Angela McCleary-Wheeler -	

5. Residents currently participating in your training program, along with the beginning date of the program, expected ending date of the program, and designated resident advisor. All current residents and incoming residents (if known) should be listed here. Unless specifically approved, in advance, by the CRTCC, the ratio of cardiology residents to on-site Cardiology Diplomates who are actively involved in resident training cannot exceed 2 to 1.

Resident Name	Start date (mm/dd/yyyy)	End Date (mm/dd/yyyy)	Resident Advisor Name*
Kelly Wigger	7.15.17	7.14.20	(Stacey Leach)
Logan Funk	7.15.19	7.14.22	(Stacey Leach)



American College of **Veterinary** Internal Medicine

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Part Two

Part Two of the Cardiology Residency Training Program addresses general features that apply to all current residents. These questions will be used to provide the Residency Training and Credentials Committees with information needed to judge the structure, quality, scope, and consistency of training provided. (Part Three must be completed and submitted for each resident.)

Current Date:

Program Director Name:

(Must be a Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology)

Name of Sponsoring Institution (Residency Training Program):

1. Please list **all Diplomates of the American College of Veterinary Pathology and the European College of Veterinary Pathology** in the areas of clinical pathology or gross/histopathology associated with residency training. If off-site, please explain the situation, and the method of providing direct contact with the resident.

Name of Diplomate(s)	Clinical or Gross	ACVP or ECVF	Comments
Marlyn Whitney	Clinical	ACVP	
Linda Berent	Both	ACVP	
Chuck Wiedmeyer	Clinical	ACVP	
Angela Royal	Clinical	ACVP	
Gayle Johnson	Gross	ACVP	
Dae Young Kim	Gross	ACVP	
Daniel Shaw	Gross	ACVP	
Keiichi Kuroki	Gross	ACVP	
Fred Williams	Gross	ACVP	
Jeff Mitchell	Gross	ACVP	
Tamara Hancock	Clinical	ACVP	

2. Please list **all Diplomates of the American College of Veterinary Radiology and European College of Veterinary Diagnostic Imaging** associated with residency training. If off-site, please explain the situation, and the arrangements for direct contact with the resident.

Name of Diplomate(s)	ACVR or ECVDI	Comments
James Lattimer	ACVR	
Jodi Matheson	ACVR	
Charles Maitz	ACVR- rad onco	
Tara Ehling	ACVR-rad onco	located at satellite clinic

j) Colloid oncotic pressure measurement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
k) Computed Tomography	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
l) Electroencephalography	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
m) Electromyography	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
n) Endoscopy equipment			
GI equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
Bronchoscopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
Cystoscopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
Rhinoscopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
Laparoscopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
o) Hemodialysis capability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
p) Intensive Care Facility – 24 hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
q) Magnetic Resonance Imaging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
r) Nuclear Medicine [access is desirable]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
s) Radiation Therapy Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
t) Serum osmolality measurement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
u) Total parenteral nutrition capability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
v) Ultra sonographic equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
w) Urethral pressure profile & cystometrography	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
x) Computerized Medical Records w/Searching Capabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
y) Medical Library w/Literature Searching Capabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site
z) Veterinary Library w/Literature Searching Capabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On-site

If any of the above equipment or facilities are available off-site, please explain how the resident can access them for case management, research, or study.

5. Clinical caseload information (this information should reflect the caseload of the prior 12 months at the primary site)

Total Cardiology caseload per year:	786
Number of echocardiographic examinations per year:	694
6. Number of cardiac catheterizations per year:	25

Didactic Learning Opportunities and Research Requirements: In recognition of the importance of scientific discovery as a critical mission of the ACVIM, all Residency Training Programs shall include an assessment period or instruction and/or participation in creative scholarship which will foster an appreciation of, competency in, and contribution to the knowledge base of their respective specialty and which will support their development as clinician scientists. This requirement is fulfilled through satisfactory completion of A, B and one of C [See CM 5.E and 5.F]:

A. Journal Club: Critical review of literature, minimum of eighty (80) hours during the program. Describe how this requirement is met or exceeded.

Journal club is offered weekly on Friday mornings from 8:10-9:00am and is attended by house officers and faculty from ACVIM related specialties (internal medicine, neurology, oncology, cardiology).

B. Cardiology-focused Educational Experiences: Minimum of one hundred fifty (150) hours during the program. Describe how this requirement is met or exceeded. [See CM 5.E.2]

Residents are also encouraged to attend the ACVIM Forum. Residents attend weekly house officer seminars and are required to do 1 presentation each year of the residency. Residents also attend weekly clinicopathologic conferences (CPC) (~30 hours/year) in which ACVIM boarded faculty and residents present a case for discussion. Residents are required to present 1 case/year of the residency.

The cardiology service has weekly book club, held every Thursday from 8:10-9:00 am. We also have weekly cardiology resident rounds on every Tuesday from 8:10-9:00am in which we alternate between cardiology journal club (every other week) and either cardiovascular imaging/hemodynamic rounds or case morbidity/mortality rounds. We also attend and present cases for a hospital wide pathology rounds (Wednesday 8:10-9:00am) when cases are available

Residents attend the Ohio State Board Review session during the spring of their third year. Additionally, the University of Missouri holds a state-wide annual 1-day Cardiovascular Sciences research symposium that residents are expected to attend and present research in abstract form. The University of Missouri School of Medicine has weekly cardiovascular ground round seminars and daily fellow rounds that the residents and faculty attend based on topics as clinical duties permit.

Residents pursuing a concurrent Master's of Science are required to complete at least 30 hours of course work. Residents not pursuing a concurrent Master's of Science are expected to audit and attend courses similar to what is required of graduate students

- C. Successful completion of any one of the options listed below. Describe how this will be fulfilled or exceeded in the individual trainee's specific application.
1. Successful completion of at least two (2) of the following three (3) short courses/workshops offered by ACVIM either on-line or at the Forum:
 - A. Critical evaluation of veterinary medical/biomedical literature
 - B. Grant Writing
 - C. Study, design and participation in clinical trials
 2. Documented submission of a grant proposal (by advisor letter)
 3. Acceptance and presentation at a scientific meeting of an abstract (oral or poster) of original work
 4. Documented completion (by advisor letter) of a prospective or retrospective research program pertinent to the candidate's specialty
 5. Documented completion (by advisor letter) of graduate course work in biostatistics, research methods, and/or research ethics.

A research project (retrospective or prospective study) is required of this cardiology residency, and the resident is expected to submit either an extra or intramural grant to help fund the project. The project can be presented at either a University of Missouri research conference, ACVIM, or both. A manuscript is expected to be generated from the research and publication in peer review journal is required to achieve the residency certificate. A concurrent master's of science is available (and in some cases required) for the cardiology residency. The graduate student is expected to submit one or more grant proposals to support his/her work. Further, the student is expected to submit the work for presentation at ACVIM, and is required to complete a manuscript for publication. A thesis and non-thesis option are available. As part of the training program, the MS student is required to take at least one statistics class, a research ethics course, and attend at least one Grant Writing seminar offered through the University of Missouri's Grant's Department. Students not enrolled in the Master's program can and are encouraged to audit any of the courses including statistics and research ethics.

Note: Letters of documentation by advisors will need to accompany the final submission of the Resident Logs to the Residency Training Committee in order to qualify for a resident certificate.

Please note, any Program Director or Candidate that significantly changes or alters this Residency Training Program before completion must notify ACVIM, in writing, before the changes are made to ensure that the proposed changes are approved.

Significant changes could include, but are not limited to:

- transferring from one program to another
- alterations in program duration
- switching to a 'dual board' program
- enrolling in an institutional graduate program
- change of Program Director or Resident Advisor

As Program Director, I verify that I have read the Certification Manual and that the above information is an accurate reflection of this Residency Training Program.