



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="(334) 850-0422"/>
Mobile Phone:	<input type="text"/>
E-mail:	<input type="text" value="szj0026@auburn.edu"/>
Mailing Address:	<input type="text" value="Cardiology Service, College of Vet Med
Auburn University
Auburn, AL 36849"/>

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

Primary Site Location:	Length of Training Program:
<input type="text" value="Auburn University"/>	<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.

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.

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

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 CRTC, 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*
TBD 7.15.19 - 7.14.22 (SeungWoo Jung)			



American College of **Veterinary** Internal Medicine

RESIDENCY TRAINING PROGRAM REGISTRATION
2019-2020
CARDIOLOGY

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 ECVP	Comments
Russell C. Cattley	Gross	ACVP	
Katharine Horzmann	Gross	ACVP	
Jey Koehler	Gross	ACVP	
Esther G. Martinez Romero	Gross	ACVP	
John Roberts	Gross	ACVP	
Maninder Sandey	Gross	ACVP	
Pete W. Christopherson	Clinical	ACVP	
Eric J. Fish	Clinical	ACVP	
Emily C. Graff	Clinical	ACVP	
Kelsey P. Legendre	Clinical	ACVP	
Elizabeth A. Spangler	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
Greg Almond	ACVR	
John Hathcock	ACVR	
Merilee Holland	ACVR	
Robert Cole	ACVR	
Rachael Moon	ACVR	

3. Please list **all Diplomates of the American College or equivalent European colleges of Dermatology, Surgery, Ophthalmology, Anesthesiology, ECC, clinical nutrition, clinical pharmacology, and/or theriogenology** associated with residency training. . If off-site, please explain the situation and the arrangements provided for contact with the resident.

Name of Diplomate(s)	Specialty	Comments
Bob Kennis	DACVD	
Amelia White	DACVD	
Lenore Bacek	DACVECC	
Kendon Kuo	DACVECC	
Jacob Johnson	DACVA	
Stuart Clark-Price	DACVA	
Harry Boothe	DACVS	
Michael Tillson	DACVS	
Jamie Bellah	DACVS	
Brad Matz	DACVS	
Amie Johnson	DACT	
Robyn Wilborn	DACT	
Dawn Boothe	DACVCP	
Phillip Moore	DACVO	
Richard McMullen	DACVO	

4. Please indicate the availability of the following facilities or equipment. Indicate if these are available on-site at the primary training site, or at a different location. (In the Location column, indicate on-site for primary location or the name of the facility where the equipment is located if off-site.) For facilities that are not on-site, please describe the situation and availability in the space at the end of this section. See CM 5.D for details.

	Available?		Location of equipment? (On-site or list site name)
	Yes	No	
a) Blood pressure equipment (must be on site)	X	<input type="checkbox"/>	On-site
b) Cardiac catheterization capability (must be on-site)	X	<input type="checkbox"/>	On-site
c) Echocardiography equipment (must be on-site)	X	<input type="checkbox"/>	On-site
d) Fluoroscopy (must be on site)	X	<input type="checkbox"/>	On-site
e) Pacemaker interrogation (must be on site or available off-site)	X	<input type="checkbox"/>	On-site
f) Standard radiological equipment (must be on-site)	X	<input type="checkbox"/>	On-site
g) Electrocardiography (must be on-site)	X	<input type="checkbox"/>	On-site
hi) Brainstem Auditory Evoked Response Equipment	X	<input type="checkbox"/>	On-site
i) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, cytology, parasitology, microbiology, endocrinology, anatomic and histopathology)	X	<input type="checkbox"/>	On-site
j) Colloid oncotic pressure measurement	X	<input type="checkbox"/>	On-site
k) Computed Tomography	X	<input type="checkbox"/>	On-site
l) Electroencephalography	X	<input type="checkbox"/>	On-site
m) Electromyography	X	<input type="checkbox"/>	On-site
n) Endoscopy equipment			
GI equipment	X	<input type="checkbox"/>	On-site
Bronchoscopy	X	<input type="checkbox"/>	On-site
Cystoscopy	X	<input type="checkbox"/>	On-site
Rhinoscopy	X	<input type="checkbox"/>	On-site
Laparoscopy	X	<input type="checkbox"/>	On-site
o) Hemodialysis capability	X	<input type="checkbox"/>	On-site
p) Intensive Care Facility – 24 hours	X	<input type="checkbox"/>	On-site
q) Magnetic Resonance Imaging	X	<input type="checkbox"/>	On-site
r) Nuclear Medicine [access is desirable]	X	<input type="checkbox"/>	On-site
s) Radiation Therapy Facility	X	<input type="checkbox"/>	On-site
t) Serum osmolality measurement	X	<input type="checkbox"/>	On-site
u) Total parenteral nutrition capability	X	<input type="checkbox"/>	On-site

- v) Ultra sonographic equipment
- w) Urethral pressure profile & cystometrography
- x) Computerized Medical Records w/Searching Capabilities
- y) Medical Library w/Literature Searching Capabilities
- z) Veterinary Library w/Literature Searching Capabilities

X	<input type="checkbox"/>	On-site
X	<input type="checkbox"/>	On-site
X	<input type="checkbox"/>	On-site
X	<input type="checkbox"/>	On-site
X	<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:

1,000

Number of echocardiographic examinations per year:

900

6. Number of cardiac catheterizations per year:

50

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.

1) The resident will be required to attend a one hour Cardiology journal club weekly (120 hrs/3 year) - 80 of these hours will be dedicated to meeting the Journal Club requirement. The remaining 40 hours will be used to meet the Cardiology focused educational requirement.

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]

1) The resident will be required to attend a one hour Cardiology Journal Club weekly (120 hr/3 years) - 80 of these hours will be dedicated to meeting the Journal Club requirement, and the remaining 40 hours will be used to meet the Cardiology focused educational requirement.

2) The resident will be required to attend biweekly house officer seminars (60hr/3 years).

3) The resident will be required to attend biweekly morbidity and mortality rounds (60hr/3 years).

4) The resident will be required to attend Cardiology focused educational experiences; biweekly cardiology book club (60hr/3 years), monthly cardiology graphics rounds (30 hr/3 years), participation in an advanced cardiology graduate course (10hr/3 years), and attendance of two ACVIM conferences (20hr/3 years).

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.

1) Residents will attend ACVIM short courses each year.

2), 3), 4) and 5) will be required. Participation in a Master of Science degree program is required of all clinical science residents at Auburn University. A prospective or retrospective research project is required as part of the

Masters/residency program. The resident will be required to write a grant in order to obtain funding for the research project. Please note that the current cardiology resident (Dr. Daniel Newhard) received the ACVIM Cardiology Resident Research award this year. The resident will be required to present the results of their research at a scientific meeting (an oral abstract will be encouraged).

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

X 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.