



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](http://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="(614) 292-3551"/>
Mobile Phone:	<input type="text"/>
E-mail:	<input type="text" value="rhinehart.34@osu.edu"/>
Mailing Address:	<input type="text" value="Clinical Sciences, CVM&lt;br/&gt;601 Vernon L. Tharp St.&lt;br/&gt;Columbus, OH 43210"/>

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

Primary Site Location:	Length of Training Program:
<input type="text" value="The Ohio State 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.

<input type="text" value="Randolph Winter&lt;br/&gt;Jaylyn Rhinehart"/>
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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="Randolph Winter - Cardiology&lt;br/&gt;Jaylyn Rhinehart - Cardiology&lt;br/&gt;Karsten Schober - ECVIM-CA"/>
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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
<a href="#">Ramiro Toribio - LAIM</a> <a href="#">Teresa Burns - LAIM</a> <a href="#">Laura Dunbar - LAIM</a> <a href="#">Laurie Cook - Neurology</a> <a href="#">Ronaldo da Costa - Neurology</a> <a href="#">Sarah Moore - Neurology</a> <a href="#">Joelle Fenger - Oncology</a> <a href="#">Catherine Langston - SAIM</a> <a href="#">Julie Byron - SAIM</a> <a href="#">Jessica Quimby - SAIM</a> <a href="#">Valerie Parker - SAIM</a> <a href="#">Ad</a>	

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*
<a href="#">Samantha Kochie 7.17.17 - 7.17.20 (Rhinehart/Winter)</a> <a href="#">William Clark 7.15.19 - 7.15.22 (Rhinehart/Winter)</a>			



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 ECVP	Comments
Rachel Cianciolo	Gross	ACVP	on site
Christopher Premadandan	Gross	ACVP	on site
Ryan Jennings	Gross	ACVP	on site
Maxie Wellman	Clinical	ACVP	on site
Judith Radin	Clinical	ACVP	on site
Jessica Hokamp	Clinical	ACVP	on site

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
Tod Drost	ACVR	on site
Eric Green (also radiation oncology)	ACVR	on site
Eric Hostnik	ACVR	on site
Amy Habing	ACVR	on/off site (does mobile ultrasound associated with OSU, but involved in some cardiology research studies)

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
Lynette Cole	Derm	ALL ON SITE
Wendy Lorch	Derm	

Sandra Diaz Vergara	Derm	
Mary McLoughlin	Surgery (ACVS)	
Jonathan Dyce	Surgery (ACVS, DSAO)	
Stephen Jones	Surgery (ACVS)	
Nina Kieves	Surgery (ACVS)	
Selena Tinga	Surgery (ACVS)	
Audrey Wanstrath	Surgery (ACVS)	
Anne Gemensky Metzler	Ophthalmology (ACVO)	
Eric Miller	Ophthalmology (ACVO)	
Georgina Newbold	Ophthalmology (ACVO)	
Turi Aarnes	Anesthesiology (ACVAA)	
Phillip Lerch	Anesthesiology (ACVAA)	
Richard Bednarski	Anesthesiology (ACVAA)	
Carolina Ricco Pereira	Anesthesiology (ACVAA)	
Edward Cooper	ERCC (ACVECC)	
Julien Guillaumin	ERCC (ACVECC)	
Page Yaxley	ERCC (ACVECC)	
Valerie Parker	ACVIM/ACVN	
Andrew Whicker	Pharmacist	
Megan Flanigan	Pharmacist	
Rikki Horne	Pharmacist	
Marco Coutinho da Silva	Therio (DACT)	
Erin Runcan	Therio (DACT)	

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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site (as well as BP measurement above-document would not let me check "yes")
b) Cardiac catheterization capability (must be on-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
c) Echocardiography equipment (must be on-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
d) Fluoroscopy (must be on site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
e) Pacemaker interrogation (must be on site or available off-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
f) Standard radiological equipment (must be on-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
g) Electrocardiography (must be on-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
hi) Brainstem Auditory Evoked Response Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
i) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, cytology, parasitology, microbiology, endocrinology, anatomic and histopathology)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
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 checked="" type="checkbox"/>	<input type="checkbox"/>	on site
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 checked="" type="checkbox"/>	<input type="checkbox"/>	on site
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.

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

Total Cardiology caseload per year:

1600-1800 (same number for echo studies- document would not allow me to fill in this blank)
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6. Number of echocardiographic examinations per year:

Number of cardiac catheterizations per year:

70-75
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**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.

We meet Fridays for Cardiology Journal Club (or cardiopath conference, conducted on 2nd Friday of the month); Additionally, during most semesters we also meet with the residents on Wednesday or Thursday mornings in formal courses including those on Cardiac Catheterization, Echocardiography, Electrophysiology, Electrocardiography, and other Cardiac - Related Topics; these are one to two-hour sessions; Residents log their hours and topics
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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]

Each semester, we meet on Wednesday and/or Thursday mornings in formal courses including those on Cardiac Catheterization, Echocardiography, Electrophysiology, Electrocardiography, and other Cardiac - Related Topics; these are one to two-hour sessions; Residents log their hours and topics. Also once a month, we attend the interventional cardiology rounds at Nationwide Children's Hospital.
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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.

Our residents all take research methods I and II (approximately 26 contact hours of research methods, grant writing, and biostatistics) as part of their masters of science program in which all residents enroll. Residents are required to complete a research project as part of the residency/MS program and to defend their "thesis" and present their data to the faculty. Our residents have also presented at ACVIM abstract sessions consistently over the past decade.

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.**