



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: Dr. Christopher D. Stauthammer

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:	(612) 625-0141
Mobile Phone:	
E-mail:	staut004@umn.edu
Mailing Address:	Veterinary Clinical Sciences, CVM 1365 Gortner Ave. St. Paul, MN 55108

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

Primary Site Location:	Length of Training Program:
University of Minnesota	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.

[Christopher Stauthammer](#)
[Lauren Markovic](#)

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.

[Christopher Stauthammer - Cardiology](#)
[Lauren Markovic - 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
Christie Ward - LAIM Anna Firshman - LAIM Alistair McVey - Neurology Michael Henson - Oncology Antonella Borgatti - Oncology Jody Lulich - SAIM Rita Miller - SAIM David Polzin - SAIM Robert Washabau - SAIM Ned Patterson - SAIM Jennifer Granick - SAIM Lind	

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*
Brittany Stewart 7.16.18 - 7.16.21 (Christopher Stauthammer)			



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. (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 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	Comments
Erin Burton	Clinical	
Davis Seelig	Clinical	
Daniel Heinrich	Clinical	
James Collins	Gross/histo	
Timothy O'Brien	Gross/histo	
Arno Wunschman	Gross/histo	
Anibal Armien	Gross/histo	
Eric Olson	Gross/histo	

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

Name of Diplomate(s)	Comments
Daniel Feeney	
Kari Anderson	
Christopher Ober	

3. Please list the **Diplomates** available for consultation in the areas of dermatology, surgery, ophthalmology, anesthesiology, emergency/critical care, clinical nutrition, clinical pharmacology, and/or theriogenology. If off-site, please explain the situation and the arrangements provided for contact with the resident.

Name of Diplomate(s)	Specialty	Comments
Sheila Torres	Dermatology	
Sandra Koch	Dermatology	
Wanda Gordon-Evans	SA Surgery	
Betty Kramek	SA Surgery	
Elizabeth LaFond	SA Surgery	
Elizabeth Pluhar	SA Surgery	
Michael Conzemius	SA Surgery	
Shiori Arai	SA Surgery	
Pierre Amsellem	SA Surgery	

Troy Trumble	LA Surgery	
Nicolas Arnst	LA Surgery	
Erin Malone	LA Surgery	
Ava Michelle Trent	LA Surgery	
Sandra Alweiller	Anesthesiology	
Daniel Almeida	Anesthesiology	
Erin Wendt Hornickle	Anesthesiology	
Jeff Todd	Emergency/CC	
Kellie Tart	Emergency/CC	
Rosalind Chow	Emergency/CC	
Julie Churchill	Nutrition	
Peggy Root-Kustritz	SA Theriogenology	
Scott Madill	LA Theriogenology	

4. **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 and one of B [See GIG D.2.d]:

- A. Journal Club: Routine and regular participation in a critical review of the literature, a minimum of eighty (80) hours during the program. Describe how this requirement is met or exceeded.

The Cardiology Service has a weekly journal club meeting lasting one hour and covers one to three articles.
The Cardiology Service also has a weekly book chapter discussion separate from journal club.
The Cardiology Service attends monthly gross pathology rounds with the Pathology Service.
Residents attend either cardiology resident rounds, or pediatric cardiology conferences at the University of Minnesota Medical School every week.
Veterinary Clinical Sciences Department Grand Rounds are held once a week, and Veterinary Medical Center morbidity and mortality rounds are held once a month.
Residents present one Veterinary Clinical Sciences Department Grand Rounds lecture each year of their training program.
Residents lead at least one Veterinary Medical Center morbidity and mortality rounds discussion during their training program.

- B. 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.

Completion of a research project pertinent to the candidate’s specialty.

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.

5. 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 GIG E.1.h.1 for details.

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

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.

6. Total Cardiology caseload per year:	3000
Number of cardiac catheterizations per year:	75
Number of echocardiographic examinations per year:	1900

7. Please list the residents who have completed the cardiology training programs at your site within the last five years, including the year that each individual's training program started and ended. If at all possible, please indicate whether the individual has completed the board certification process.

Name(s)	Program Start Date (mm/dd/yyyy)	Program End Date (mm/dd/yyyy)	Diplomate Status (Yes or No)
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Damon Leeder	July 15, 2009	July 15, 2012	Yes
Maxie Krueger	August 29, 2010	August 30, 2013	Yes
Rebecca Cervenece	July 15, 2012	July 18, 2015	Yes
Kristin Barncord	July 17, 2013	July 14, 2016	Yes
Alyssa Pinkos	July 13, 2016	July 13, 2018	Yes

8. Please list the 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. Part Three of this form must be completed for each resident 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(s) (first/last)	Program Start Date (mm/dd/yyyy)	Program End Date (mm/dd/yyyy)	Resident Advisor Name(s) (first/last)
Chris Whipp	07/13/2016	07/13/2019	Christopher Stauthammer
Brittany Stewart	07/15/2018	07/13/2021	Christopher Stauthammer

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 the above information is an accurate reflection of this Residency Training Program.