

Cardiology

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 Neurology 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 Oncology 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.

The Cardiology Residency Training Committee may require supporting evidence for any statements made below. At the time of annual program renewal, Program Directors may be asked to verify resident activities, including satisfactory clinical training, interaction with consultants, and documentation of study and education participation.

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. These questions will be used to provide the Residency Training Committee with information needed to judge the structure, quality, scope, and consistency of training provided.

1. Current Date: January 31, 2020

2. Program Director's Name: Gerhard Wess

The Program Director must be a Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology

3. Program Director's Contact Information:

Work Phone: +498921801671

Cell Phone: +4917618828807

Email: gwess@lmu.de

Mailing Address: Veterinaerstr. 13, 80539 Munich, Germany

4. Location of Sponsoring Institution (Primary Site of Residency Training Program): University of Munich

5. Length of Training Program (in years): 3.5

Comments: due to on/off clinics times with current contracts we have extended the program to 3.5 years.

6. Is this a traditional or non-traditional residency training program?

Traditional

For non-traditional programs, please provide details:

7. 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.

Resident Name(s) (first/last)	Length of Program (in years)	Program Start Date (mm/dd/yyyy)	Program End Date (mm/dd/yyyy)	Resident Advisor Name (first/last)
Jenny Eberhard	3.5	07/15/2019	01/01/2023	Gerhard Wess

Unless specifically approved, in advance, by the CRTA, the ratio of cardiology residents to on-site Cardiology Diplomates who are actively involved in resident training cannot exceed 2 to 1.

9. Resident Advisor(s)

Resident Advisor(s)

Gerhard Wess

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.

10. Supervising Diplomates on site:

Gerhard Wess

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

11. 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	Specialty	Comments
Andrea Fischer	Neurology	ACVIM
Katrin Hartmann	Internal Medicine	ECVIM
Stefan Unterer	Internal Medicine	ECVIM
Rossi Dorsch	Internal Medicine	ECVIM
Astrid Wehner	Internal Medicine	ECVIM
Bianca Schulz	Internal Medicine	ECVIM
Rene Dörfelt	Emergency/Critical care	ECECC

12. 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 ECVI	Comments
Kaspar Mathiasek	clinical and gross	ECVP	

13. 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
Andreas Brühshwein	ECVDI	

14. 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
Ralf Müller	Dermatology	ACVD
Johannes Hirschberger	Oncology	ECVO
Susanne Lauer	Surgery	ECVS
Meier-Lindenberg	Surgery	ECVS

15. 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

	Available?	Location of equipment?
a) Blood pressure equipment (must be on site)	Yes	
b) Cardiac catheterization capability (must be on-site)	Yes	
c) Echocardiography equipment (must be on-site)	Yes	
d) Fluoroscopy (must be on site)	Yes	
e) Pacemaker interrogation (must be on site or available off-site)	Yes	
f) Standard radiological equipment (must be on-site)	Yes	
g) Electrocardiography (must be on-site)	Yes	
h) Brainstem Auditory Evoked Response Equipment	Yes	
i) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, cytology, parasitology, microbiology, endocrinology, anatomic and histopathology)	Yes	
j) Colloid oncotic pressure measurement	Yes	
k) Computed Tomography		
l) Electroencephalography	Yes	
m) Electromyography	Yes	
n) Endoscopy equipment		
GI equipment	Yes	
Bronchoscopy	Yes	
Cystoscopy	Yes	
Rhinology	Yes	
Laparoscopy	Yes	
o) Hemodialysis capability	Yes	
p) Intensive Care Facility – 24 hours	Yes	
q) Magnetic Resonance Imaging	Yes	
r) Nuclear Medicine [access is desirable]	Yes	
s) Radiation Therapy Facility	Yes	
t) Serum osmolality measurement	Yes	
u) Total parenteral nutrition capability	Yes	
v) Ultra sonographic equipment	Yes	
w) Urethral pressure profile & cystometrography	Yes	
x) Computerized Medical Records w/Searching Capabilities	Yes	
y) Medical Library w/Literature Searching Capabilities	Yes	
z) Veterinary Library w/Literature Searching Capabilities	Yes	

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:

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

Total Cardiology case load per year:	2000
Number of echocardiographic examinations per year:	1800
Number of cardiac catheterizations per year:	80

17. 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:

weekly cardiology JC 1 hour; Internal Medicine JC - 1 hour; book club - 1 hour

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]

Resident rounds, case discussions. Special topic discussion. 1-2 hours/week.

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:

Residents are encouraged to perform and present their research project either at ECVIM or ACVIM meeting. They also attend statistic courses at LMU university. Resident research projects are discussed 2/year at a committee meeting and they have progress rounds. Residents are also encouraged to write grand proposals, after writing the study protocol.

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.

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.

Submission of RTP Application/Renewal:

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

Per the Certification Manual, each year, the Program Director must certify to the RTC/ RTCC and ACVIM, in writing, that they have read the ACVIM Certification Manual and understands their role in residency training.

Checking this box is an indication I have read the ACVIM Certification Manual and understand my role in Residency Training Program.