

## Residency in Cardiology: Program Specifics

Please see “House Officer Programs: General Information” for basic information common to all internship and residency programs. The following information highlights specific program requirements of the Cardiology residency program.

**Program Director:** Dr. Jessica Ward ([jward@iastate.edu](mailto:jward@iastate.edu); 515-291-9061)

Faculty Diplomates serving as supervisors and potential advisers of the program:

- Dr. Melissa Tropf, DVM, MS, DACVIM (Cardiology)
- Dr. Jessica Ward, DVM, DACVIM (Cardiology)

**Specialty College:** American College of Veterinary Internal Medicine (Cardiology)

- Requirements for candidate registration, certification, and examination are outlined in the ACVIM Certification Manual (CM) ([www.acvim.org](http://www.acvim.org)).
- Echocardiography logs, education logs, and catheterization logs must be submitted to ACVIM annually by dates specified by the ACVIM.
- The resident must make application/registration for sitting for the ACVIM General Examination (Year 2) and submit credentials and register for the ACVIM Certifier Examination (Year 3) according to the timeline set by the ACVIM ([www.acvim.org](http://www.acvim.org)).

### Clinical program requirements

Activity	Year 1	Year 2	Year 3
<b>Cardiology</b> (direct supervision)	42 +/- 2 weeks	36 +/- 4 weeks	34 +/- 4 weeks
<b>Clinical electives @ ISU</b> (Internal Medicine, Diagnostic Imaging, ECC, Anesthesia)	0-2 weeks	0-4 weeks	0-4 weeks
<b>Off-site rotations</b> (NCSU-CVM, Iowa Heart Center, U. of Iowa)	0-2 weeks	0-4 weeks	0-4 weeks
<b>Off-clinics time</b> (research, boards study)	4 weeks research	4 weeks research 4 weeks boards study	4 weeks research 6 weeks board study
<b>Vacation</b>	2 weeks	2 weeks	2 weeks

### Seminar/Rounds requirements

Rounds type	Frequency	Day/Time	Commitment
HO Seminar/Case Presentation	Weekly	Thursdays @ 8am	Required
Cardiology Journal Club	Weekly	Mondays @ 8am	Required
Cardiology Book Club	Monthly	3 <sup>rd</sup> Tuesday @ 8am	Required
Cardiology Resident Rounds (faculty-led didactic rounds)	Monthly	1 <sup>st</sup> and 4 <sup>th</sup> Tuesday @ 8am	Required
Morbidity & Mortality Rounds	Monthly	2 <sup>nd</sup> Tuesday @ 8am	Required

ECC Rounds	Weekly	Thursday/Friday @ 1pm	Optional
Student Grand Rounds	Weekly	Fridays @ 8am	Optional

### Scholarship requirements

- The ACVIM requires Cardiology residents to complete a research requirement which may involve research-related coursework, grant proposal submission, abstract presentation, and/or manuscript preparation (as outlined in the candidate Certification Manual, [www.acvim.org](http://www.acvim.org)).
- The individual resident must choose how they intend to fulfill the ACVIM research requirement by December of their first year, and must create and implement a plan for successful completion of this requirement. Successful completion of the ACVIM research requirement is considered sufficient research exposure to meet the VCS requirement for resident participation in scholarly activity.

### Other program specifics that differ from ISU-CVM “House Officer Programs: General Information”

- **External rotation at NC State:**
  - Pending schedules at both institutions, residents may participate in an external rotation in Cardiology at North Carolina State University for a period of 2-4 weeks during the residency.
  - During their time at NCSU, the ISU resident will perform all clinical, procedural, and didactic responsibilities as expected of other NCSU residents. These duties will include primary case responsibility, echocardiography and other diagnostic testing, cardiac catheterization/interventional procedures, participation in rounds and journal club, teaching of veterinary students, and emergency on-call responsibilities (if deemed appropriate by NCSU).
  - In order for the ISU resident to take full advantage of primary case responsibility and learning opportunities while at NCSU-CVM, the ISU resident will be required to obtain either veterinary licensure or a temporary permit to practice veterinary medicine in North Carolina, as outlined by the North Carolina Veterinary Medical Board.