

Part One

New applications for ACVIM Residency Training Programs must be received by the Residency Training Committee 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 most current version of the CM is available on the ACVIM website at www.ACVIM.org. If there is a discrepancy between this form and the CM, the CM will be considered correct, however, please contact the ACVIM office or the Residency Training Committee Chairperson for clarification.

Prior to making significant changes in a Residency Training Program, approval of the ACVIM and Neurology Residency Training Committee must be obtained. The Candidate and/or Program Director must notify ACVIM, in writing. Significant changes could include, but are not limited to: 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: This form contains questions for three separate purposes; data collection that ACVIM must maintain for its accreditation as a specialty college; data collection for each specialty to evaluate what is appropriate for residency programs; and data collection to evaluate this Residency Training Program for renewal. It is important that all questions be answered accurately and completely, even if the answer to a specific question is not essential for a program's renewal.

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, are listed in Part Two.

Program Director Name :

(Must be a Diplomate of ACVIM in the Specialty of Neurology or an approved Diplomate of the European College of Veterinary Neurology)

Program Director's Contact Information:

Work Phone:	<input type="text" value="(212) 329-8733"/>
E-mail:	<input type="text" value="chad.west@amcny.org"/>
Mailing Address:	<input type="text" value="Neurology Department"/>
	<input type="text" value="510 E. 62nd St."/>
	<input type="text" value="New York, NY 10065"/>

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

Primary Site and Length of Program:

Multi-site programs, if any, are listed in Part Two.

2. Resident Advisor(s): Must be a Diplomate of ACVIM in the Specialty of Neurology or a Diplomate of ECVN.

Chadwick West John McCue

3. Supervising Diplomates in Neurology: Must be a Diplomate of ACVIM in the Specialty of Neurology or a Diplomate of ECVN.

[Chadwick West - Neurology](#)
[John McCue - Neurology](#)
[Abbie Lebowitz - Neurology](#)

4. All Diplomates of ACVIM or ECVIM responsible for supervision of clinical training who are specialists in areas other than Neurology.

[Elizabeth Appleman - SAIM](#)
[Douglas Palma - SAIM](#)
[Dennis Slade - SAIM](#)
[Carly Bloom - SAIM](#)
[Jennifer Prittie - SAIM](#)
[Ann Hohenhaus - Oncology](#)
[Maria Camps-Palau - Oncology](#)
[Nicole Leibman - Oncology](#)
[Betsy Bond - Cardiology](#)
[Philip Fox - Cardiology](#)
[Dennis Trafny - Cardiology](#)

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.

Resident Name, Dates of Program, (Resident Advisor)

Beryl Swanson 7.15.15 - 7.14.18 (Chadwick West) Lauren Wilmarth 7.15.17 - 7.14.20 (JP McCue) Shoshana Leyshin 7.15.17 - 7.14.20 (Chadwick West)

Please note, any Program Director or Candidate that significantly changes or alters their 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**



**RESIDENCY TRAINING PROGRAM REGISTRATION
2018-2019
NEUROLOGY**

Part Two

Part Two of the Neurology Residency Training renewal process addresses general features of the program that apply to all current residents. 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.

Current Date:

Program Director Name:

(Must be a Diplomate of ACVIM in the Specialty of Neurology or an approved Diplomate of the European College of Veterinary Neurology)

Name of Sponsoring Institution (Residency Training Program):

1. For multi-site residency programs: To ensure uniformity of training and compliance with current Certification Manual (CM) requirements, training programs that include multiple sites must provide detailed information regarding supervision and facilities available at each specific site(s).

Secondary Site/Outside Rotations (if applicable):

(Please include the following for each site: Supervising Diplomate (ACVIM or other specialty), amount of time scheduled at the site and training requirements to be met.

2. Length of Training Program:

	Yes	
2 years	<input type="checkbox"/>	
3 years	<input checked="" type="checkbox"/>	
Other -provide details		<input style="width: 600px; height: 20px;" type="text"/>

3. Advanced Degree:

	Yes	No	Optional	
Masters:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PhD:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Briefly explain how the degree is integrated into the residency program:

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4. Please list all ACVIM Supervising **Diplomates** (Cardiology, Large Animal Internal Medicine, Neurology, Oncology, Small Animal Internal Medicine, ECVIM, or ECVN Diplomates) providing supervision off-site and explain the situation and the agreements provided for contact with the resident. (Note, in Part One, current ACVIM Supervising Diplomates are included; and you are requested to provide additional comments for off-site supervision here).

Name of Diplomat(e)s	Comments

5. Please list all **Diplomates** of the American College of Veterinary Pathology or the European College of Veterinary Pathologists 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 Diplomat(e)s	Clinical or Gross	Comments
Taryn Donovan Heather Daverio Andrea Siegel	Gross Gross Clinical	

6. Please list all **Diplomates** of the American College of Veterinary Radiology or the 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 Diplomat(e)s	Comments
Anthony Fischetti Alex LeRoux Rachel St. Vincent	ACVR ACVR and ECVDI Rad Onc

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

Name of Diplomat(e)s	Specialty	Comments
Jennifer Prittie Joel Weltman Lisa Bazzle Dava Cazzoli Anne Zollo Sandra Van der Woerd Pamela Schwartz Rob Hart Chick Weisse Dan Spector Katie Kennedy	ACVECC ACVECC ACVECC ACVECC ACVECC ACVO ACVS ACVS ACVS ACVS ACVS	

8. Please list the residents who have completed the training program within the last five years, including the year that each individual's training program ended and whether the individual has completed the Board certification process.

Name(s)	Program End Date (mm/dd/yyyy)	Diplomate? (Yes or No)
Ben Olson	07/14/2017	Yes
Robert Powers-Davis	07/14/2016	Yes
Vanessa Beigen	07/14/2015	Yes
Bronwyn Riggs	07/14/2014	Yes
Joshua Gerhke	07/14/2013	Yes

9. 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.

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(s)
Beryl Swanson	3	07/15/2015	07/14/2018	Chadwick L. West
Lauren Wilmarth	3	07/15/2017	07/14/2020	JP McCue
Shoshana Levshin	3	07/15/2017	07/14/2020	Chadwick L. West

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

NOTE: Direct supervision is required during clinical training, with the time required specified by each particular specialty. Direct supervision is defined as follows: The Supervising Diplomate and resident are participating in a clinical practice in which both the Diplomate and the resident are on duty and interactively and concurrently managing cases. The Diplomate need not personally examine each patient seen by the resident, but must remain physically available for consultation. Please use this definition when responding to the following questions regarding clinical rotations.

10. Is this a traditional or non-traditional residency training program? A traditional neurology residency is a two (2) or three (3) year postgraduate training program, with a minimum of ninety six (96) weeks of supervised clinical training with a majority of the time spent at one location. A non-traditional neurology residency allows for training that may occur in non-contiguous blocks of time over an extended time period.

Traditional	<input checked="" type="checkbox"/>
Non-traditional	<input type="checkbox"/>

For non-traditional programs, please provide a detailed description of the residency program, including length of program, proposed annual schedule, and the amount of time of direct Diplomate supervision for each location of the residency.

11. The ACVIM Neurology Certification Manual (CM) requires that each resident experience 75 weeks (minimum) of clinical Neurology training under the supervision of either a Diplomate of ACVIM in the Specialty of Neurology or a Diplomate of ECVN. **The 75 weeks should include at least 50 weeks of direct supervision (see definition in CM) and the remainder as indirect supervision (indirect supervision is satisfied by the Supervising Diplomate Neurologist being available for face-to-face contact with the resident at least 4 days per week).**

Please provide an outline of planned yearly schedule, including number of weeks of direct and indirect supervision (i.e. in year 1, the resident will be directly supervised for 25 weeks etc.) A table similar to the example below outlining the proposed weekly schedule of duties for the residents should be provided:

EXAMPLE TABLE ONLY:

	Year I	Year II	Year III
Medical Neurology *			
Neurosurgery			
Neurology/Neurosurgery Direct Supervision	36	36	
Neurology/Neurosurgery - Indirect Supervision			34
Internal Medicine	4	2	2
Clinical Pathology	2		
Radiology	2		
Neuropathology		2	2
Other Rotation (please list the name of each rotation)			
		1	
	2	4	4
Research	4	5	8
Independent Study			
Vacation	2	2	2
Total	52	52	52

Numbers indicated are in “weeks”.

* Many residencies are a combined neurology / neurosurgery program with no distinct separation between the services. Some programs, however, have separate training with a surgery service and this example includes that possibility in describing the weekly rotations.

The example table is only a listing of a proposed weekly schedule for each of the three years of a typical 3-year residency program, including all that is required by ACVIM without making any specific recommendations.

Please indicate the outline of planned yearly schedule here:

	Year I	Year II	Year III
Medical Neurology *			
Neurosurgery			
Neurology/Neurosurgery - Direct Supervision	42	38	16
Neurology/Neurosurgery - Indirect Supervision			20
Internal Medicine	2	2	2
Clinical Pathology			1
Radiology	2		
Neuropathology			1
Other Rotation (please list the name of each rotation):			
Other: Critical Care		2	2
Other:			
Research	2	4	3
Independent Study	2	4	5

Vacation	2	2	2
Total *	52	52	52

*The totals should add up to 52 weeks.

12. Describe how daily clinical case rounds are conducted and supervised:

Case rounds are conducted twice daily at approximately 9 am and 5 pm. During rounds, all cases seen that day (outpatient and admissions) are discussed. While these rounds are predominately individual case based, pertinent literature as well as comparative diagnostic imaging is discussed. The supervising diplomate will be present at both of these sessions seven days/week.

13. The neurology specialty requires that the resident spend at least 50 hours during the residency in the following rotations: Radiology, Clinical Pathology, Neuropathology and Neurosurgery. A Training Agreement Form must be completed and signed by the Diplomate supervising the required training, regardless of whether the training occurs on site or off-site. **Please use the standardized “Training Agreement Form” found on the ACVIM website (www.ACVIM.org) to document proof of supervision for all required contact hours (clinical pathology, radiology, neuropathology surgery, etc.) in rotations other than neurology.** 1 Training Agreement form is required per rotation per resident at the beginning of the residency. Forms do not need to be resubmitted each year as long as a valid Training Agreement Form is on file.

In addition, please provide a brief description of how each phase of this required training is accomplished.

Radiology: 50 hours with a Board-certified radiologist interpreting radiographs, attending seminars and participating in and evaluating the results of special radiographic procedures.

Each resident will spend 2 weeks on clinics with a board-certified veterinary radiologist during the first year of residency. Additionally, neuroradiology rounds are held for two hours once/month. At least one supervising ACVIM(N) diplomate, all neurology residents and at least one ACVR diplomate will attend these rounds.

Clinical Pathology: 50 hours with a Board-certified pathologist or clinical pathologist evaluating clinical pathologic findings, attending clinicopathologic conferences, and examining surgical sections.

Each resident will spend 1 week (40 hours) on clinical rotation with a board certified clinical pathologist during their third year of residency. Additionally, residents will spend at minimum 10 hours in clinicopathologic lectures and reviewing ongoing cases.

Neuropathology: 50 hours devoted to review of veterinary neuropathology. This time may be spent in lecture series, seminars, or a formal training program recognized and approved by the college.

Each resident will spend 1 week (40 hours) during their third year with an in-house board certified veterinary pathologist reviewing neuropathology. Additionally, neuropathology rounds will occur for 1 hour monthly. The residents, at least one board certified pathologist and at least one board certified neurologist will review clinical case presentations, diagnostic procedures performed and review the corresponding neuropathology.

Neurosurgery: 50 hours participating in veterinary neurosurgical procedures. Please provide a specific description of the type of participation [i.e. observation, performance of neurosurgery], and credentials of those providing the training [i.e. ACVS vs. ACVIM Neurology]. A Training Agreement Form must be completed if this training is provided by individuals other than the ACVIM (Neurology) or ECVN supervising Diplomate for the residency training program.

The neurology service at the AMC is responsible for all neurosurgical procedures performed during regular hours and all emergency neurosurgery. The neurology residents will matriculate accordingly (with experience and competency) through roles of observation to assistant to primary surgeon for routine and complex neurosurgical procedures.

14. The neurology specialty requires that the resident be able to perform and interpret current electrodiagnostic procedures. Briefly state how the concepts of electrodiagnostics (including EEG) and their clinical application will be taught to residents during the training program. Specifically state whether or not the resident will have hands-on electrodiagnostics experience:

We have electrodiagnostic equipment including EEG capability. We perform electrodiagnostic procedures when indicated clinically. We also perform EEGs on critically ill comatose patients to ensure that are not in non-convulsant status. The resident will have hands on experience in performing electrodiagnostic studies. Each resident will also attend "brain camp" for more formal didactic electrodiagnostic training. The residents will have no less than 50 hours of electrodiagnostic training and didactic learning.

15. The college requires that the resident spend a minimum of 80 hours involved in routine and regular participation in a critical review of the literature (e.g. journal club) during the residency training program. Please explain how this requirement is met:

The residents are required to attend neurology journal club for two hours (Wednesday AM) biweekly. At least one of the resident advisors supervises this journal club every week.

16. The neurology specialty requires that the advisor meet with the resident at 6 month intervals to assess, review and critique the resident's progress and weekly schedule of activities. Please explain how this is accomplished:

very six months the residents will each fill out a self evaluation form. The same evaluation form will be completed by each supervising diplomate. Individually, the residents will review the evaluation with each diplomate. If areas of concern arise for the resident or the supervising diplomates, the review will occur in 3 months to assure steps are being taken to rectify any concerns.

17. The neurology specialty requires that the resident complete a significant research or clinical investigative project. Please describe how you plan for the resident to undertake, monitor, and complete a project. Include a timeline that the resident and mentor will use as a guide for completion of the project. Note that publication of this research project is not a requirement.

Each resident is required to perform clinical investigation. The resident will be required to submit a research proposal to the "Caspar Research Institute" which includes an IACUC review prior to the end of their first year of residency. Research on the project is expected to be completed prior to February of the residents 3rd year. The research is expected to add to the scientific literature and knowledge base. Submission of the research to a peer reviewed journal is mandated, but acceptance for publication is not prerequisite.

18. Please indicate the availability of the following facilities or equipment. Indicate if these are available 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. Please also provide the manufacturer and model of the unit for electrodiagnostic and imaging equipment.

	Available?		Location of equipment?
	Yes	No	(On-site or list site name)
a) Standard radiological equipment	X	<input type="checkbox"/>	On-site
b) Ultrasonographic equipment	X	<input type="checkbox"/>	On-site
c) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, cytology, parasitology, microbiology, and endocrinology)	X	<input type="checkbox"/>	On-site
d) Electrocardiography	X	<input type="checkbox"/>	On-site
e) Blood Pressure Measurement	X	<input type="checkbox"/>	On-site
f) Radiation Therapy Facility	X	<input type="checkbox"/>	On-site
g) Veterinary Library w/Literature Searching Capabilities	X	<input type="checkbox"/>	On-site
h) Computerized Medical Records w/Searching Capabilities	X	<input type="checkbox"/>	On-site
i) Medical Library w/Literature Searching Capabilities	X	<input type="checkbox"/>	Cornell Weill Medical college (5 blocks away)
j) Electromyography and nerve conduction velocity testing	X	<input type="checkbox"/>	On-site
k) Evoked Response Equipment	X	<input type="checkbox"/>	On-site
l) Electroencephalography	X	<input type="checkbox"/>	On-site
m) Computed Tomography	X	<input type="checkbox"/>	On-site
n) Magnetic Resonance Imaging (include field strength)	X	<input type="checkbox"/>	On-site 1.5 T

If any of the above equipment or facilities is available off-site, please explain how the resident can access them for case management, research, or study, *especially with respect to the use of imaging equipment*:

Cornell Weill medical library is 5 blocks from the AMC; residents and staff have full access and privileges to utilize the resource.

19. Describe the formal conferences, such as clinicopathologic conferences, journal clubs, or seminars that are held on a regular basis. Please provide a description and the typical schedule for these:

Residents spend 4-5 hours minimum weekly attending formal conferences. All neurology residents are expected to be at all of the following: Neurology journal club occurs biweekly for 2 hours. Cross-sectional imaging rounds occur once monthly for 2 hours. Neuropathology rounds occur monthly.

Additional conferences that neurology residents are expected to attend discretionally include surgery department run journal club and topic rounds, internal medicine journal club, physiology reviews and "CVT" rounds. Each department has formal rounds at least once/week. Additionally, there are daily (Mon-Fri) intern didactic lectures at 8AM. The majority of these lectures are presented by specialists and are tailored to a resident teaching level.

20. Detail the teaching responsibilities expected of the resident during the training program. This may include lectures in departmental courses for veterinary students, grand rounds presentations, presentation of papers or seminars at conferences, or participation in continuing education programs.

Each resident will make a grand rounds presentation each year of their residency. In addition, each resident will present 2 one hour lectures/year to the rotating internship class at the Animal Medical Center. Residents are responsible for topic rounds to be presented to interns and preceptors rotating through the neurology service.

21. How many major veterinary medical or medical meetings are each resident able to or expected to attend during his/her training program?

None	One	Two	> Two
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

22. Are one or more publications required as part of the training program?

Yes	No	Number
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text"/>

Comments:

23. Please describe any additional pertinent information that the Residency Training Program should consider in its evaluation of this Training Program.

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

Per the Certification Manual, each year, the Program Director (PD) 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.

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