

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 Oncology 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 Oncology 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 any 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 which 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 Oncology)

Program Director's Contact Information:

Work Phone:	(612) 626-5786
E-mail:	borgatti@umn.edu
Mailing Address:	Veterinary Clinical Sciences 1352 Boyd Ave. Saint Paul, MN 55108

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

Primary Site:

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

2. Resident Advisor(s): Must be ACVIM Diplomate(s) in Oncology. There is no restriction on the number of Resident Advisors; however, **each Resident Advisor can supervise only two residents concurrently.**

Antonella Borgatti
Michael Henson
Brian Husbands

3. Please list all Supervising Diplomates in Oncology: **There must be a minimum of two (2) ACVIM Oncology Diplomates per institution.**

Michael Henson - Oncology
Brian Husbands - Oncology
Antonella Borgatti - Oncology
Jessica Lawrence - Oncology

4. Please list all Diplomates of the American College of Veterinary Internal Medicine responsible for supervision of clinical training who specialize in areas other than Oncology.

Jody Lulich - SAIM
Alistair McVey - Neurology
Rita Miller - SAIM
David Polzin - SAIM
Robert Washabau - SAIM
Lindsay Merkel - SAIM
Michelle Ritt - SAIM
Edward Patterson - SAIM
Jennifer Granick - SAIM
Christopher Stauthammer - Cardiology
Eva Furrow - SAIM

5. Please list all the residents currently enrolled in the 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)*

Jennifer Lenz 7.13.15 - 7.13.18 (Antonella Borgatti)
Megan Duckett 10.24.2016 - 10.24.2017 (Antonella Borgatti)
Caroline Wood 7.13.17 - 7.13.20 (Michael Henson)
Kristine Walters 7.13.17 - 7.13.20 (Brian Husbands)

*** There is no restriction on the number of Resident Advisors; however, each Resident Advisor can supervise only two residents concurrently.**

Please note, any 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
ONCOLOGY**

Part Two

Part Two of the Oncology Residency Training renewal process addresses general features of the program that apply to all current residents. These questions will be used to provide the Oncology Residency Training/Credentials Committee with information needed to judge the structure, quality, scope, and consistency of training provided.

Current Date: 02/16/2018

Program Director Name: Antonella Borgatti

(Must be a Diplomate of ACVIM in the Specialty of Oncology)

Name of Sponsoring Institution (Residency Training Program): University of Minnesota

1. For residency programs with off-site rotations (required rotations not available at the primary institution/site): To ensure uniformity of training and compliance with current Certification Manual (CM) requirements, training programs that include off-site rotations must provide detailed information regarding supervision and facilities available at each specific site(s).

Outside Rotation(s) (if applicable): Please attach signed Letters of Support from all individuals providing off-site training of oncology residents to this registration form. Each Letter of Support should specify the number of weeks scheduled at each site and the rotation requirement met. **Letters of Support must be submitted annually WITH program renewal forms and WITH each new program request.**

In the box provided below, list the outside rotations for which you are attaching Letters of Support. Please include in the space below the specific information regarding the number of weeks scheduled at each site and which rotation requirements shall be met at each site:

2. Type of Training Program:

Traditional 3 years	x
Non-traditional (# years)	
For non-traditional programs, please provide details. Note that programs must be at least 3 years (156 weeks) in length.	

3. Advanced Degree:

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

Required for residency certificate: Yes No x

Comments:

4. ONCOLOGY DIPLOMATES (CM 8.G.4)

There must be a **minimum of two (2) ACVIM Oncology Diplomates** at the primary training site of the residency for an Oncology RTP to be approved or to maintain approval. Please list the ACVIM Oncology Diplomates and their site of activity.

Name of Oncology Diplomates	Location
Antonella Borgatti, DVM, MS, Diplomate ACVIM (Oncology), DECVIM-CA	UMN, CVM
Michael Henson, DVM, PhD, DACVIM (Oncology)	UMN, CVM
Brian Husbands, DVM, DACVIM (Oncology)	UMN, CVM
Jessica Lawrence Rausch, DVM, DACVIM (Oncology), DACVR (Radiation Oncology)	UMN, CVM

5. SUPPORTING DISCIPLINES REQUIRED

There must be an **ACVIM SAIM Diplomate** with $\geq 50\%$ FTE at the primary training site of the residency for an Oncology RTP to be approved or to maintain approval (CM 8.U.3).

Please list the ACVIM SAIM Diplomate(s) who will fulfill this requirement for the RTP.

Name of SAIM Diplomate(s)	Location
Jody Lulich, DVM, PhD	UMN
Eva Furrow, VMD, PhD	UMN
Ned Patterson, DVM, PhD	UMN
Lindsay Merkel, DVM	UMN
David Polzin, DVM, PhD	UMN
Jennifer Granick, DVM, MS, PhD	UMN
Michelle Ritt, DVM	UMN

There must be an **ACVS Surgery Diplomate** with $\geq 50\%$ FTE at the primary training site of the residency for an Oncology RTP to be approved or to maintain approval (CM 8.U.3).

Please list the ACVIM SAIM Diplomate(s) who will fulfill this requirement for the RTP.

Name of ACVS Diplomate(s)	Location
Michael Conzemius, DVM, PhD	UMN
Elizabeth LaFond, DVM	UMN
Betty Kramek, DVM	UMN
Elizabeth Pluhar, DVM, MS, PhD	UMN
Kristine Kiefer, DVM, PhD	UMN
Wanda Gordon-Evans, DVM, PhD	UMN
Pierre Amsellem, DVM, MSc	UMN
Starting 03/12/2018	
Shiori Asai, DVM, PhD	UMN
Starting 03/12/2018	

6. CLINICAL TRAINING IN OTHER SPECIALTIES: REQUIRED AFFILIATED ROTATIONS (CM 8.M)

Because oncology is a multimodal discipline, the resident must also have clinical training under the direct supervision of Supervising Diplomates in other disciplines. This contact may occur at a secondary training site.

A minimum of 32 weeks must be spent actively receiving patients in affiliated rotations or meeting requirements through rounds. For each off-site rotation included in the 32 weeks of clinical training in other specialties, the resident should obtain written approval from their Resident Advisor, who will forward documentation of this approval to the RTCC.

6a. RADIATION ONCOLOGY REQUIREMENTS (CM 8.M.1):

At least **eight weeks** of direct supervision is required with a veterinary radiation oncologist to develop an understanding of clinical management of patients receiving radiation therapy, radiation planning, dosimetry and physics related to clinical radiation therapy.

Please list all **Diplomates of the American College of Veterinary Radiology responsible for training in Radiation Oncology**. Describe how Diplomates are involved in the supervision of residents and direct contact radiation oncology training will be fulfilled. Radiation oncology rotations must be completed in blocks of at least two consecutive weeks in length.

Name of Diplomate(s)	Site	Role in training residents
Jessica Lawrence Rausch	U Minn, CVM	The University of Minnesota College of Veterinary Medicine is one of the few facilities providing radiation therapy in the upper Midwest. The hospital, previously equipped with a Varian Clinac 2100C (6-10 MV photon and 6-20 MeV electron capability) with multileaf collimator, digital shaper and Pinnacle planning software has upgraded to Varian CLINAC DHX High Performance Silhouette Edition Serial # 096. The radiation therapy caseload ranges from 2 to 10 cases per day. Radiation planning is provided by Dr. Lawrence Rausch (diplomate in both medical and radiation oncology). With mentoring from medical oncologists and radiologists, residents will be responsible for the clinical management of patients receiving radiation therapy during the three-year residency. Dr. Lawrence will introduce residents to radiation planning, dosimetry, and physics related to radiation therapy.

6b. PATHOLOGY REQUIREMENTS (8.M.1):

At least **two weeks** (may be met through weekly/biweekly rounds) of direct supervision with a **clinical pathologist** are required.

Please list all **Diplomates of the American College of Veterinary Pathology** in clinical pathology associated with residency training. Describe how Diplomates are involved in the supervision of residents and how direct contact requirements (must be in person, not videoconference) in clinical pathology will be met.

Name of Diplomate(s)	Site	Role in training residents
Jill Schappa, DVM Daniel Heinrich, DVM Davis Seelig, DVM, PhD	UMN, CVM UMN, CVM UMN, CVM	Contact is provided through one-hour weekly rounds and daily clinical work (discussion of cases and reports with the pathologist as needed)

At least **two weeks** (may be met through weekly/biweekly rounds) of direct supervision with an **anatomic (surgical) pathologist** are required.

Please list all **Diplomates of the American College of Veterinary Pathology** in anatomic (surgical) pathology associated with residency training. Describe how Diplomates are involved in the supervision of residents and how direct contact requirements (must be in person, not videoconference) in anatomic pathology will be met.

Name of Diplomate(s)	Site	Role in training residents
Cathy Carlson, DVM, PhD Timothy O'Brien, DVM, PhD Arno Wuenschmann, DVM	UMN, CVM UMN, CVM UMN, CVM	Contact is provided through rounds and daily clinical work (discussion of cases and reports with the pathologist as needed)

6c. DIAGNOSTIC IMAGING REQUIREMENTS (8.M.1):

At least **two consecutive weeks** of **diagnostic imaging** under direct supervision by a board-certified radiologist are required in addition to any interactions during case rounds.

Please list all Diplomates of the **American College of Veterinary Radiology (not including radiation oncology)** associated with residency training. Describe how Diplomates are involved in the supervision of residents and how direct contact requirements (must be in person, not videoconference) in radiology will be met.

Name of Diplomate(s)	Site	Role in training residents
Daniel Feeney, DVM, MS Kari Anderson, DVM Chris Ober, DVM, PhD	U Minn, CVM U Minn, CVM U Minn, CVM	Daily clinical contact, two-week rotation, and weekly rounds as required by GIG

6d. SMALL ANIMAL INTERNAL MEDICINE REQUIREMENTS (8.M.1):

At least **four weeks** (completed in at least two consecutive week blocks) of training under the direct supervision by an ACVIM Small Animal Internal Medicine (SAIM) Diplomate are required.

Please list all **Diplomates of the American College of Veterinary Internal Medicine (including those listed above)** involved in the supervision of residents and how direct contact requirements will be met.

Name of Diplomate(s)	Site	Role in training residents
Jody Lulich, DVM, PhD Eva Furrow, VMD, PhD Ned Patterson, DVM, PhD Lindsay Merkel, DVM David Polzin, DVM, PhD Jennifer Granick, DVM, MS, PhD Michelle Ritt, DVM	UMN UMN UMN UMN UMN UMN UMN	Daily clinical contact, two 2-week rotations under the direct supervision by an ACVIM Small Animal Internal Medicine Diplomate, and general board preparation rounds

6e. OTHER REQUIRED ROTATIONS (8.M.2):

Fourteen weeks of other rotations with an ACVIM Diplomate in the Specialty of Oncology, or training under the supervision of a member of an American Board of Veterinary Specialties (ABVS) or European Board of Veterinary Specialization (EBVS) approved specialty (such as, but not limited to, the American College of Veterinary Radiology, the American College of Veterinary Radiology (Radiation Oncology), European College of Veterinary Neurology, the American College of Veterinary Pathology, ACVS, or ACVECC). Rotations must be completed in at least two consecutive week blocks (unless otherwise specified in the CM.)

Please list the **non-ACVIM Diplomates** available for consultation in these areas. Describe how Diplomates are involved in the supervision of residents and their contribution to direct contact requirements in affiliated specialties.

Name of Diplomates	Specialty/College	Site	Role in training residents
Sandra Koch, DVM, MS Sheila Torres, DVM, MS, PhD Michael Conzemius, DVM, PhD Elizabeth LaFond, DVM Betty Kramek, DVM Elizabeth Pluhar, DVM, MS, PhD Wanda Gordon-Evans, DVM, PhD Pierre Amsellem, DVM, MSc <i>Starting 03/12/2018</i> Shiori Asai, DVM, PhD <i>Starting 03/12/2018</i>	Dermatology Dermatology Surgery Surgery Surgery Surgery Surgery Surgery Surgery	UMN UMN UMN UMN UMN UMN UMN UMN UMN	Contact is provided through daily clinical work and consultation on clinical cases. In addition, rotations are arranged to meet the GIG requirements

Erin Wendt-Hornickle, DVM	Anesthesia	UMN	
Caroline Baldo, DVM, PhD	Anesthesia	UMN	
Alonso Guedes, DVM, MS, PhD	Anesthesia	UMN	
Daniel Almeida, DVM, MS	Anesthesia	UMN	
Sandra Allweiler, DVM	Anesthesia	UMN	
Kelly Tart, DVM	Emerg/CC	UMN	
Jeffrey Todd, DVM	Emerg/CC	UMN	
Peggy Root-Kustriz, DVM, PhD	Theriogenology	UMN	
Julie Churchill, DVM, PhD	Clinical Nutrition	UMN	
**Please also see Diplomates in the Specialty of Radiology and Pathology listed in sections 6a, 6b and 6c above.			

7. FORMAL STRUCTURED RESEARCH (CM 8.O):

The resident is expected to actively participate in a laboratory or clinical investigative research project during the residency. A minimum of **eight weeks** (320 hours) of an oncology residency should be dedicated to this aspect of training. Research time should be scheduled as either weekly time (hours per week) or in blocks of time sufficient to complete the research, perform data analysis and prepare a manuscript for publication by the third year of their residency (see Recommended Milestones in CM 8.G 6-8). This experience must be documented, with dates, and signed by the Supervising Diplomate. Please explain how your residency program complies with the research guidelines outlined above.

The resident is required to complete one research project. The research project will be carefully coordinated with two mentors to ensure it can be feasibly completed in the allotted time. The mentors will include a board certified veterinary oncologist and a basic scientist with expertise in residency/fellowship mentoring and sufficient extramural funding to support the project if necessary. Masonic Cancer Center and Stem Cell Institute faculty that can serve as basic mentors include (but are not limited to):

Doug Yee, MD (Professor and Director, Masonic Cancer Center – small molecule targeting in breast cancer)
Tucker LeBien, PhD (Professor and Associate Director, Masonic Cancer Center, - biology of lymphoma and leukemia)
Jeffrey Miller, MD (Professor and Associate Director, Masonic Cancer Center – cell and immunotherapy)
Carol Lange, PhD (Associate Professor, Masonic Cancer Center – signaling and progesterone receptor biology in breast cancer)
Christopher Pennel, PhD (Associate Professor, Masonic Cancer Center – cancer immunotherapy)
Denis Clohisy, MD (Professor and Head of Orthopedic Surgery – biology and clinical responses in osteosarcoma and soft tissue sarcoma)
Jaime Modiano, VMD, PhD (Professor and Director of Comparative Oncology, Masonic Cancer Center – cancer genetics and gene therapy/immunotherapy)
Timothy O’Brien, DVM, PhD (Professor, and Stem Cell Institute – stem cell biology)
Daniel Kaufman, MD, PhD (Associate Professor, Masonic Cancer Center and Stem Cell Institute – hematopoietic stem cells and immunotherapy)

For Board-certification in oncology, the resident must have a minimum of one major first author publication in the field of oncology published or accepted for publication in a refereed scientific or peer-reviewed journal. A literature review or case report is not acceptable. Please describe how this program supports this requirement for publication. (See CM 8.F.5)

Completion of a residency project as described above and preparation of an original research manuscript are requirements to release a certificate of oncology residency program completion at the University of Minnesota.

8. JOURNAL CLUB (CM 8.P):

An organized and routinely scheduled journal club of at least 80 hours over the course of the RTP must be an integral part of all oncology resident training. Journal Club must be attended and supervised by a Supervising Diplomate. The RTP application requires a schedule of proposed Journal Club for Oncology RTCC approval.

Please explain how your residency program complies with the journal club guidelines outlined above, and include a schedule for this requirement, including number of proposed meetings and duration of each meeting.

Oncology Journal Club (weekly, required, Fridays, 2:00 pm to 3:00 pm). Meetings are held weekly and are one-hour in duration. At least one Supervising Diplomate (two on average) attends all sessions.

9. SEMINAR OR LECTURE SERIES AND FORMAL CONFERENCES (CM 8.Q, 8.R):

Residents must attend formal teaching conferences in oncology and related disciplines throughout the residency. Unless these are formal lectures or classes, an Oncology Supervising Diplomate supervises the conferences, which should occur an average of **four times per month**. Examples of these are clinical pathology conferences, resident seminars, grand rounds sessions, and tumor biology classes. Conferences given within a veterinary practice or hospital or at a medical school or medical teaching hospital are acceptable.

Please include includes the format and schedule of these conferences and presentations, which directly pertain to training in Oncology and give specific details given on a daily, weekly or monthly basis.

Oncology Journal Club (required, Fridays, 2:00 pm to 3:00 pm)
Oncology Section Meeting (required, 2nd Thursday of the month at 12:30 pm)
Cytology Rounds (required, Fridays at 8:00 am)
Radiology/Radiation therapy rounds (required, Tuesdays 1:00-1:30 pm)
Morbidity and Mortality rounds (required, monthly on 4th Tuesday 7:30-8:30 am)
Grand rounds (required, Thursdays 8:00-9:00 am)
Comparative and Molecular Biosciences Seminar Series (optional, Wednesdays at 3 pm)
Comparative Oncology Lab Meetings (optional, Thursdays at 12:00 pm)
Comparative Oncology Journal Club (optional, Mondays at 12:00 pm)
Cancer Epidemiology Interest Group (optional, last Friday of the month at 12:00 pm)
Genetic Mechanisms of Cancer Program Meeting (optional, 3rd Thursday of the month at 4:00 pm)
Cancer Biology Research Group Conference (optional, 2nd Wednesday of the month at 12:00 pm)
Cancer Progression and Metastasis Seminar Series (optional, 3rd Wednesday of the month at 9:15 am)
BMT Conference (optional, Mondays at 1:15 pm)
Cancer Biology Journal Club (optional, Wednesdays at 12:00 pm)

The resident must give a formal presentation at such a conference at least once per year. Documentation of these presentations must be included in the oncology credentials packet of the resident.

Please list all opportunities offered to and/or required of the resident for attendance and/or giving formal presentations at local, regional, state or national meetings. Indicate whether the resident will attend or present at these meetings (CM 8.Q).

At a minimum, residents will be required to present at each of the following:
Morbidity and Mortality Rounds (year 1 or 2)
Grand Rounds (year 1 or 2)
VCS (year 2 and/or 3).
Residents will be encouraged to present abstracts and posters at other national meetings (e.g. ACVIM, AACR, ASCO, etc.) and to lecture in the DVM curriculum (likely year 2 and 3).

Residents must attend at least one state, regional, national, or international veterinary or human medical continuing education conference during their residency. Please list opportunities offered to and/or required of the resident for attendance

VCS.
ACVIM.
Residents will be encouraged to present abstracts and posters at other national meetings (e.g. ACVIM, AACR, ASCO, etc.).
In addition, residents are invited to seek opportunities for continuing education that meet the specific interest of the resident (such as workshops or other training opportunities).

Residents must write a one page proposal describing the rationale for participation, so that faculty can evaluate the potential benefits and cover part (or all) of the costs, whenever feasible.

10. FORMAL EXAMINATION REVIEW SESSIONS (CM 8.S):

An oncology RTP must provide at least 40 hours per year of intensive formal review sessions for residents/candidates on topics covered in the general and specialty examinations. Attending daily clinical rounds does not meet this requirement. The requirement could be met in part by attending an ACVIM advanced continuing education (ACE) course, by attending an ACVIM Forum, or formal resident review sessions at a Veterinary Cancer Society Annual Meeting.

Please provide an anticipated schedule of these formal reviews below. Annual documentation will be required.

Residents at the University of Minnesota are encouraged to attend the formal resident review sessions at the Veterinary Cancer Society Annual Meeting.
 Oncology board review sessions are held every Monday from 3:30-4:30 pm
 General board review is held on Mondays at 8:00 am

11. PAST RESIDENTS:

Please list the residents who have completed this described training program **within the last five years**, including the year that each individual's training program ended. If possible, please indicate whether the individual has completed the Board-certification process. Do not include residents whose program was other than the one described here.

Name(s)	Program End Date (mm/dd/yyyy)	Diplomate (Yes or No)
Alexis Denysyk	07/13/2014	no
Sara Fritz	07/13/2015	no
Jillian Zientek Walz	07/13/2017	yes

12. CURRENT RESIDENTS:

Please list all residents **currently enrolled in this described training program** in addition to their actual program start and end dates. Each Resident Advisor can supervise only two residents at a time.

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)	For RAs: Checking this box is an indication I have read the ACVIM Certification Manual and understand my role in residency training (mandatory per CM 4.F.3.c)
Jennifer Lenz	3	07/13/2015	07/13/2018	Jessica Lawrence	X
Megan Duckett	3	10/24/2016	10/24/2017	Jessica Lawrence	X
Caroline Wood	3	07/13/2017	07/13/2020	Michael Henson	X
Kristine Walters	3	07/13/2017	07/13/2020	Brian Husbands	X

While it may have no bearing on your program, the supervising Diplomate(s) and the resident are required to review the Certification Manual yearly. You may obtain a copy of the Certification Manual from the ACVIM website at www.ACVIM.org.

13. Have all supervising Diplomate(s) read the objectives for an oncology residency as outlined in the Certification Manual, Specialty of Oncology?

Yes No

If no, please explain:

14. The RA and PD should periodically evaluate the resident (required minimum of once every 6 months) and discuss the results of those evaluations with the resident. Either the RA or PD (or both) must be able to provide the Residency Training Committee with written summaries of those evaluations, if requested. Additionally, the RA must complete the standardized Resident Evaluation Form annually and provide RTCC with copies, if requested.

Does your program comply with these standards of resident evaluation?

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

If no, please explain:

15. 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 or not available, please describe the situation, availability, or how the resident will gain experience with equipment not available in the space at the end of this section.

	Available? (Y or N)	Location of equipment? (On-site or list site name)
a) Radiography	y	On-site
b) 24 hour emergency and critical care facility	y	On-site
b) Ultrasonographic equipment	y	On-site
c) Color flow/Doppler equipment	y	On-site
d) Endoscopy equipment	y	On-site
GI equipment	y	On-site
Bronchoscopy	y	On-site
Cystoscopy	y	On-site
Rhinoscopy	y	On-site
Laparoscopy	y	On-site
e) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, Cytology, parasitology, microbiology, and endocrinology)	y	On-site
f) Appropriate safety equipment for handling chemotherapy (briefly summarize what is available in the column Location of Equipment).	y	On-site Dedicated chemotherapy administration suite with sink and eye wash station, well-equipped with needles, catheters, flushes, syringes, tape, gauzes, Chemoplus prep mats, chemotherapy administration gloves, goggles, and gowns; biohazard waste bin; biohazard sharp container; biosafety cabinet located within the pharmacy; two different phaseal sets (for boluses and drip infusions, respectively).
g) Nuclear Medicine	y	On-site
h) Computed Tomography	y	On-site
i) Magnetic Resonance Imaging	y	On-site
j) Radiation Therapy Facility	y	On-site
k) Intensive Care Facility – 24 hours	y	On-site
l) Total parenteral nutrition capability	y	On-site

m)Computerized Medical Records w/Searching Capabilities	y	On-site
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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. The resident should have access to a human or veterinary medical library with on-line searching capacity and at a minimum have access to all textbooks (current editions) and full text access to all journals on the current examination committee reading list (**See item 21. to be completed by Program Director. Note that on-line access to texts must be full-text not abstracts only**). This library should be available on-site or within a reasonable commuting distance (defined as within a 15 mile radius of the primary training site).

Please indicate how your resident can obtain access to the following textbooks/journals.

Text or Journal	Hard Copy or Subscription Available on site, or Medical/Veterinary Library <i>(insert name)</i>	Available Electronically (CD-ROM or Online Subscription)	Available Through pub-med only (free or will purchase articles)	Not Available
DeVita: <u>Cancer: Principles and Practice of Oncology</u> , 10 th ed. (2015)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Withrow: <u>Veterinary Clinical Oncology</u> , 5 th Ed. (2012)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chabner: <u>Cancer Chemotherapy</u> , 5 th Ed. (2010)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tannock&Hill: <u>Basic Science of Oncology</u> , 5 th Ed. (2013)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abbas: <u>Cellular and Molecular Immunology</u> , 8 th Ed. (2014)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meuten: <u>Tumors in Domestic Animals</u> , 4 th Ed. (2002)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weinberg: <u>The Biology of Cancer</u> , 2 nd Ed. (2013)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kirk: <u>Current Veterinary Therapy</u> XII, XIII, XIV, XV (1995, 2000, 2008, 2014)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feldman & Nelson: <u>Canine and Feline Endocrinology and Reproduction</u> , 4 th Ed. (2015)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cowell: <u>Diagnostic Cytology</u> , 4 th Ed. (2013)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hall: <u>Radiobiology for the Radiologist</u> , 7 th Ed. (2011)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ogilvie & Moore: <u>Feline Oncology</u> (2001)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ogilvie & Moore: <u>Managing the Canine Cancer Patient</u> (2006)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Henry & Higginbotham: <u>Cancer Management in Small Animal Practice</u> (2009)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Veterinary Clinics of North America-</u> oncology-related issues (2000-present)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Duncan: <u>Veterinary Laboratory Medicine: Clinical Pathology</u> , 5 th Ed. (2011)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weiss and Wardrop: <u>Schalm's Veterinary Hematology</u> , 6 th Ed. (2010)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Norman and Streiner: <u>Biostatistics- the Bare Essentials</u> , 4 th Ed. (2014)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The following Journals are considered required for Candidates; They are available to ACVIM Diplomates through the Texas A&M University Library: http://guides.library.tamu.edu/acvim				
<i>Journal of Veterinary Internal Medicine</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Journal of the American Veterinary Medical Association</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>American Journal of Veterinary Research</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Compendium for Continuing Education</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Journal of the American Animal Hospital Association</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Clinical Pathology</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary and Comparative Oncology</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Pathology</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Surgery</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Radiology and Ultrasound</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Journal of Small Animal Practice</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Research in Veterinary Science</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Immunology and Immunopathology</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cancer</i>				

	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>New England Journal of Medicine</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Clinical Cancer Research</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Nature Reviews: Cancer</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cancer Research</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cancer Chemotherapy & Pharmacology</i>	<input checked="" type="checkbox"/> or Library: https://hsl.lib.umn.edu/vetmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

17. Is there any additional pertinent information that the Residency Training Committee should consider in its evaluation of this training program?

Yes No

<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Comments:

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.