

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 Oncology Residency Training Programs in the ACVIM Certification Manual (CM). The current version of the CM is available on the ACVIM website at [www.ACIVM.org](http://www.ACIVM.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 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:** 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 Oncology.

**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:

Must be an active Diplomate of ACVIM in the Specialty of Oncology

Program Director's Contact Information:

Work Phone:	<input type="text" value="(614) 292-3551"/>
E-mail:	<input type="text" value="fenger.3@osu.edu"/>
Mailing Address:	<input type="text" value="Veterinary Medical Center&lt;br/&gt;601 Vernon L. Tharp St.&lt;br/&gt;Columbus, OH 43210-1089"/>

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

Primary Site:

Length of Training Program:

<input type="text" value="The Ohio State University"/>	<input type="text" value="3 year"/>
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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 may supervise only two residents concurrently.**

<input type="text" value="Megan Brown&lt;br/&gt;Joelle Fenger&lt;br/&gt;William Kisseberth"/>
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3. Supervising Diplomates: **There must be a minimum of two (2) ACVIM Oncology Diplomates per institution.**

<input type="text" value="Megan Brown - Oncology&lt;br/&gt;Joelle Fenger - Oncology&lt;br/&gt;William Kisseberth - Oncology"/>
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4. All onsite Diplomates of ACVIM responsible for supervision of clinical training who are specialists in areas other than Oncology.

Name and Specialty	Comments
<input type="text" value="Jaylyn Rinehart - Cardiology&lt;br/&gt;Karsten Schober - ECVIM-CA&lt;br/&gt;John Bonagura - SAIM &amp; Cardiology&lt;br/&gt;Teresa Burns - LAIM"/>	

Laura Dunbar - LAIM Jeffrey Lakritz - LAIM Ramiro Toribio - LAIM Laurie Cook - Neurology Ronaldo da Costa - Neurology Sarah Moore - Neurology Julie Byron - SAIM Catherine Langston - SAIM Valerie Parker - SAIM Jessica Quimby - SAIM Adam Rudinsky - SAIM	
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5. 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	Start date (mm/dd/yyyy)	End Date (mm/dd/yyyy)	Resident Advisor Name*
<a href="#">Brittany Evans</a>	<a href="#">7/15/17</a>	<a href="#">7/15/20</a>	<a href="#">Megan Brown</a>
<a href="#">Kate Taikowski</a>	<a href="#">7/15/17</a>	<a href="#">7/15/20</a>	<a href="#">Joelle Fenger</a>
<a href="#">Matthew Cook</a>	<a href="#">7/15/18</a>	<a href="#">7/15/21</a>	<a href="#">William Kisseberth</a>
<a href="#">Daniela Korec</a>	<a href="#">7/15/18</a>	<a href="#">7/15/21</a>	<a href="#">Joelle Fenger</a>



RESIDENCY TRAINING PROGRAM REGISTRATION  
2019-2020  
ONCOLOGY

Part Two

Part Two of the Oncology Residency Training registration and 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 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 Oncology)

Name of Sponsoring Institution (Residency Training Program):

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 Training Agreement Form from all institutions providing off-site training of oncology residents to this registration form. Each Training Agreement Form should specify the number of weeks scheduled at each site and the rotation requirement met. **Training Agreement Forms 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 Training Agreement Forms. 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	<input checked="" type="checkbox"/>
Non-traditional (Length in years)	N/A
For non-traditional programs, please provide details. <b>Note that programs must be at least 3 years (156 weeks) in length.</b>	N/A

3. Advanced Degree:

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

Required for residency certificate: Yes  No

Comments: This is a combined residency/graduate program. All trainees are concurrently enrolled in the graduate school either as MS or PhD candidates. Trainees pursuing a Masters (thesis or non-thesis Master Degree) must complete their degree before being awarded their residency certificate. Students pursuing their PhD will be awarded their residency certificate after completing the residency portion of their program and with approval from their graduate committee and are in good academic standing.

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
Megan Brown, DVM, MS, (O)	OSU
Joelle M. Fenger, DVM, PhD, (O)	OSU
William C. Kisseberth, DVM, PhD (O)	OSU

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

Name of SAIM Diplomate(s)	Location
Valerie Parker, DVM, DACVIM	OSU
Jessica Quimby, DVM, PhD, DACVIM	OSU
Julie Byron, DVM, MS, DACVIM	OSU
Catherine Langston, DVM, DACVIM	OSU
Adam Rudinsky, DVM, MS, DACVIM	OSU

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 ACVS Surgery Diplomate(s) who will fulfill this requirement for the RTP.

Name of ACVS Diplomate(s)	Location
Laura E. Selmic, BVetMed (Hons), MPH, DACVS-SA, DECVS, MRCVS, ACVS Founding Fellow	OSU
Vincent Waiveille, DVM, MS, MRCVS, DACVS, ACVS Fellow	OSU

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 DACVR-RO diplomates responsible for training in radiation oncology. Describe how Diplomates are involved in the supervision of residents and how direct contact in radiation oncology training will be fulfilled. Radiation oncology rotations must be completed in blocks of at least two consecutive weeks in length.

Name of Diplomat(e)s	Site	Role in training residents
Eric Green, DVM Noopur Desai, DVM	OSU OSU	Direct, on-site. The resident will rotate for a total of 8 weeks completed in two (2) week blocks.

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 Diplomat(e)s	Site	Role in training residents
Jessica Hokamp, DVM, PhD Maxey Wellman, DVM, PhD	OSU OSU	<p>The Clinical Pathology requirement will be satisfied by weekly cytology rounds and a 1 week dedicated rotation of the Clinical Pathology Service.</p> <p>Diplomates of the American College of Veterinary Pathology in Clinical Pathology provide clinical pathology consultation to the Oncology Service and residents on a rotating basis. The attending clinical pathologist will have approximately 1 contact hour per week (4 hours per month) with the resident. In addition to weekly, direct consultation with clinical pathology faculty while on clinical service, the resident will rotate onto the Clinical Pathology Service for a dedicated one (1) week of direct instruction and supervision with a clinical pathologist to facilitate training in diagnostic clinical cytology.</p> <p>Drs. Hokamp and Wellman and the clinical pathology residents lead weekly cytology rounds (40 hours per year) where cytologic specimens submitted for the past week are viewed and discussed with Oncology Residents.</p>

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 Diplomat(e)s	Site	Role in training residents
Chris Premanandan, DVM, PhD Rachel Cianciolo, VMD, PhD Ryan Jennings, DVM, PhD Steven Weisbrode, VMD, PhD	OSU OSU OSU OSU	<p>The Anatomic Pathology requirement will be fulfilled by monthly tumor pathology rounds (Collaborative Oncology Rounds) and 2 weeks of dedicated rotation on the Surgical Pathology Service.</p> <p>Diplomates of the American College of Veterinary</p>

		<p>Pathology (Anatomic Pathology) provide surgical pathology consultation to the Oncology Service and residents on a rotating basis. The attending pathologist will have approximately 1 contact hour per week (4 hours per month) with the resident. In addition to direct consultation with pathology faculty while on clinical service, the resident will rotate onto the Anatomic Pathology Service for a dedicated two (2) weeks of direct instruction and supervision by DACVP diplomates.</p> <p>Drs. Cianciolo and Jennings are teaching/service-dedicated faculty pathologists and leads the monthly tumor board (tumor pathology rounds) where interesting or difficult histopathological diagnoses are discussed with residents and faculty. Oncology residents select the cases to be discussed.</p> <p>Dr. Weisbrode is emeritus faculty and continues to participate in tumor pathology rounds and other service and teaching activities.</p>
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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 Diplomat(e)s	Site	Role in training residents
Wm. Tod Drost, DVM, DACVR	OSU	Direct consultation
Eric Green, DVM, DACVR	OSU	Direct consultation
Eric Hostnick, DVM, MS, DACVR	OSU	Direct consultation
		In addition to daily, direct consultation with radiology faculty while on clinical service, the resident will rotate onto the Radiology Service for a dedicated two (2) week block of direct instruction and supervision by DACVR diplomates

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

**Fourteen weeks** of other rotations with an ACVIM Diplomat 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), American or 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 other ACVIM diplomates not previously listed or other non-ACVIM diplomates that will be involved with resident training 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
Richard Bednarski, DVM, MS	Anesthesia/ACVA	OSU	1
Philip Lerche, BVSc, PhD	Anesthesia/ACVA	OSU	1
Turi Aarnes, DVM, MS	Anesthesia/ACVA	OSU	1
Edward Cooper, VMD, MS	Crit Care/ACVECC	OSU	2

Julien Guillaumin, Doct Vet Paige Yaxley, DVM	Crit Care/ACVECC Crit Care/ACVECC	OSU OSU	2 2	
Jonathan Dyce, MA, VetMB, MRCVS	Orthopedic SX/ACVS	OSU	3	
Stephen Jones, DVM, MS	Orthopedic SX/ACVS	OSU	3	
Nina Kieves, DVM	Orthopedic SX/ACVS	OSU	3	
Audrey Wanstrath, DVM, MS	Orthopedic SX/ACVS	OSU	3	
Mary A. McLoughlin, DVM, MS	Soft Tissue SX/ACVS	OSU	3	
James Howard, DVM	Soft Tissue SX/ACVS	OSU	3	
Vincent Waiveille, DVM, MS	Surgical Onco/ACVS	OSU	4	
Judith Bertran, DVM, MS	Surgical Onco/ACVS	OSU	4	
Marco Coutinho da Silva, DVM, PhD	Theriogenology/ACT	OSU	5	
Erin Runcan, DVM	Theriogenology/ACT	OSU	5	
Lynette Cole, DVM, MS	Dermatology/ACVD	OSU	6	
Wendy Lorch, DVM, PhD	Dermatology/ACVD	OSU	6	
Sandra Diaz, DVM, MS	Dermatology/ACVD	OSU	6	
Anne Gemensky-Metzler, DVM, MS	Ophthalmology/ACVO	OSU	7	
David Wilkie, DVM, MS	Ophthalmology/ACVO	OSU	8	
Eric Miller, DVM, MS	Ophthalmology/ACVO	OSU	8	
Valerie J. Parker, DVM	Nutrition/ DACVN	OSU	9	
Meghan Herron, DVM	Behavior/ DACVB	OSU	10	
				<p>1- Faculty anesthesiologists are available for consultation on a rotating basis, providing direct supervision. On average, 1-2 hours of consultation is provided per month.</p> <p>2 - Critical care faculty are available for consultation on a rotating basis. On average, 4-8 hours of direct contact/supervision are provided per month.</p> <p>3 - Orthopedic surgery faculty are available for consultation on a rotating basis. On average, 1-4 hours of direct contact/supervision are provided per month.</p> <p>4 – Soft tissue surgery faculty are available for consultation on a rotating basis. On average, 4-8 hours of direct contact/supervision are provided per month.</p> <p>5 – Oncologic surgery faculty are available at all times as they work directly with the Medical and Radiation Oncologists receiving patients on the same schedule. On average, 7-8 hours of direct contact/supervision are provided per day.</p> <p>6-8 - Theriogenology, dermatology, ophthalmology faculty are available for consultation on a rotating basis. On average, 1-2 hours or less of direct contact/supervision are provided per month.</p> <p>9 - Clinical nutrition consults are provided as</p>

			indirect supervision/contact. On average, less than 1 hour of contact per month is provided. 10 – Behavior Medicine consults are provided as indirect supervision/contact. On average, less than 1 hour of contact per month is provided.
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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 oncology residency program is combined with a graduate (MS or PhD) training program. As graduate students, residents are scheduled for 2- to 4-week blocks off time (8 weeks minimum per year/12 weeks maximum per year) dedicated to conducting scholarly research. During this period, residents will be required to conduct research under the supervision of a Supervising Diplomate (Research Advisor), including data collection and analysis, manuscript drafting/editing, and presentation of their research project/thesis defense in accordance with requirements outlined by the OSU School of Graduate Studies..

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)

The oncology resident program is combined with a graduate (MS or PhD) training program. Publications resulting from graduate thesis work will fulfill the publication requirement. It is expected that the publication culminating from graduate research will be submitted for publication prior to graduation..

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 is held twice a month (2 hr/month), year round and is attended by all Oncology Residents and supervising Diplomates (Dr. Joelle Fenger, Dr. William Kisseberth). This is a graduate-level journal club designed to provide an opportunity for learning the skills of evidence-based medicine. Residents are required to discuss and critically review current oncology literature covering the basic science of oncology and applied clinical oncology.

2019-2020 Oncology Journal Club Schedule  
Oncology Journal Club (48 hr/yr)

Week:	Lead Resident	Supervising Diplomate
Jul 1 – 1 hr	J Club 1 - Evans	Fenger
Jul 15 – 1 hr	J Club 2 - Evans	Fenger
Jul 29– 1 hr	J Club 1 - Taikowski	Fenger
Aug 12 – 1hr	J Club 2 - Taikowski	Kisseberth
Sep 2 – 1hr	J Club 1 - Cook	Kisseberth
Sep 16 – 1 hr	J Club 2 - Cook	Fenger/Kisseberth
Sep 30 – 1 hr	J Club 1 - Korec	Fenger
Oct 14 – 1 hr	J Club 2 - Korec	Kisseberth
Nov 4 – 1 hr	J Club 1 - Repasy (incoming 1 <sup>st</sup> yr)	Fenger
Nov 18 – 1 hr	J Club 2 - Repasy (incoming 1 <sup>st</sup> yr)	Fenger
Dec 2 – 1 hr	J Club 1 –Evans	Kisseberth
Dec 16 – 1 hr	J Club 2 –Evans	Fenger



Jan 6 – 1 hr	J Club 1 - Taikowski	Fenger
Jan 20 – 1 hr	J Club 2 - Taikowski	Fenger
Feb 3 – 1 hr	J Club 1 - Cook	Fenger
Feb 17 – 1 hr	J Club 2 – Cook	Fenger
Mar 2 – 1 hr	J Club 1 - Korec	Fenger
Mar 16 – 1 hr	J Club 2 - Korec	Fenger
Apr 6 – 1 hr	J Club 1 – Repasy (incoming 1st yr)	Fenger
Apr 20 – 1 hr	J Club 2 – Repasy (incoming 1st yr)	Fenger
May 4 – 1 hr	J Club 1 - Evans	Fenger
May 18 – 1 hr	J Club 2 - Evans	Fenger
Jun 1 – 1 hr	J Club 1 - Taikowski	Fenger
Jun 15 – 1 hr	J Club 2 – Taikowski	Fenger

#### 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 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 patient rounds (daily, M-F)

Oncology patient rounds are conducted and attended daily by all oncology residents and faculty that are on service.

##### Oncology journal club (weekly)

Discussion and critical review of current oncology literature by all oncology residents and faculty.

##### Oncology Resident instruction/review (weekly)

Didactic discussion of articles, book chapters, and topics relevant to veterinary oncology; instruction is given from rotating faculty members of the oncology service and is attended by all oncology residents.

##### Clinical pathologic conference (CPC) (weekly)

Case presentation/discussion by residents and faculty of the OSU-VMC.

##### Cytology rounds (weekly)

Presentation and discussion of submitted cytological specimens from the week; conducted by the Clinical Pathology Service.

##### Tumor board (monthly)

Presentation and discussion of selected oncology cases by oncology, clinical & anatomical pathology, and surgery residents and faculty.

##### College of Veterinary Medicine Signature Program in Oncology - Research Seminar (bi-monthly)

Multi-disciplinary meetings/seminars covering all aspects of comparative and veterinary oncology, including participants/speakers from across the OSU College of Veterinary Medicine, the OSU-Comprehensive Cancer Center, and extramurally.

##### Sarcoma disease committee meetings (bi-monthly)

Collaborative rounds organized by the Sarcoma Research Group at the OSU-Comprehensive Cancer Center; this forum hosts numerous speakers from across the OSU campus, Nationwide Children's Hospital, and external speakers and focuses on ongoing basic and translational research in sarcoma biology.

##### Sarcoma journal club (monthly)

Discussion and critical review of current oncology literature relevant to sarcoma biology by College of Veterinary Medicine oncology residents, OSU Graduate Students/Post-Doctoral fellows, and faculty from the College of Veterinary Medicine, OSU-Comprehensive Cancer Center, and Nationwide Children's Hospital.

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).

OSU-VMC Clinical Pathology Conference - residents required to present once a year  
Veterinary Cancer Society Annual Meeting – Residents required to attend and present scholarly research (year 2 or 3)  
OSU-College of Veterinary Medicine Annual Research Day - residents present research during their 3rd year  
OSU-College of Veterinary Medicine Graduate Research Seminar Series - residents required to present their master's thesis research project their final semester (year 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

Veterinary Cancer Society Annual Meeting - Attend and Present Scholarly Research (year 2 or 3)  
American College of Veterinary Internal Medicine Forum – Attend and Present Scholarly Research (year 2 or 3)

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.

This is a combined residency/graduate program. All trainees are concurrently enrolled in the graduate school either as MS or PhD candidates in the OSU College of Veterinary Medicine Comparative and Veterinary Medicine Graduate Program. All residents enrolled in the graduate program are required to complete a minimum of 20 credit hours (260 hours of instruction over the course of the 3-yr RTP) of formal, graded coursework primarily composed of graduate-level systems based medicine courses to prepare for the ACVIM general examination.

Throughout their 3-year RTP, Oncology Residents are enrolled each semester in a formal, graduate level course Advanced Topics Oncology (VCS 8895.02) offered through the OSU College of Veterinary Medicine. This is a graded, 1-semester unit (13 hours per semester) course held weekly and team-led by Supervising ACVIM Diplomates (Oncology) (Drs. Fenger, Brown, Kisseberth). Each semester residents cover literature pertinent to the Oncology specialty examination including: Tannock & Hill Basic Science of Oncology; Hall Radiobiology for the Radiologist; Chabner Cancer Chemotherapy; Withrow Veterinary Clinical Oncology; and Abbas Cellular and Molecular Immunology.

Residents attend the following review sessions to prepare for topics covered in the specialty examination:  
Formal resident review sessions at a Veterinary Cancer Society Annual Meeting (year 2 or 3)  
Attend ACVIM Forum (year 2 and 3)

While it may have no bearing on your program, the supervising Diplomat(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](http://www.ACVIM.org).

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

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

If no, please explain:

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12. 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. The RTP may use the standardized evaluation form (provided by ACVIM) or a similar internal evaluation document. If an internal evaluation document is used, it must include discussion of the 8 core competencies outlined in the standardized form including patient care, medical knowledge, practice-based learning, interpersonal and communication skills, professionalism, didactic learning, clinical research and publication productivity, and teaching ability.

Does your program comply with these standards of resident evaluation?

Yes No

If no, please explain:

13. 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	OSU-VMC
b) 24 hour emergency and critical care facility	Y	OSU-VMC
b) Ultrasonographic equipment	Y	OSU-VMC
c) Color flow/Doppler equipment	Y	OSU-VMC
d) Endoscopy equipment	Y	OSU-VMC
GI equipment	Y	OSU-VMC
Bronchoscopy	Y	OSU-VMC
Cystoscopy	Y	OSU-VMC
Rhinoscopy	Y	OSU-VMC
Laparoscopy	Y	OSU-VMC
e) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, Cytology, parasitology, microbiology, and endocrinology)	Y	OSU-VMC
f) Appropriate safety equipment for handling chemotherapy (briefly summarize what is available in the column Location of Equipment).	Y	OSU-VMC Chemotherapy is prepared under an outside vented Nuair, type IIB biological safety cabinet in a dedicated room. Most chemotherapy treatments are administered in a dedicated chemotherapy administration room. The EquaShield containment system is used for the preparation and administration of injectable chemotherapy drugs.
g) Nuclear Medicine	Y	OSU-VMC
h) Computed Tomography	Y	OSU-VMC
i) Magnetic Resonance Imaging	Y	OSU-VMC
j) Radiation Therapy Facility	Y	OSU-VMC
k) Intensive Care Facility – 24 hours	Y	OSU-VMC
l) Total parenteral nutrition capability	Y	OSU-VMC
m) Computerized Medical Records w/Searching Capabilities	Y (limited)	OSU-VMC

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.

N/A

14. 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 **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 <sup>th</sup> ed. (2015)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Withrow: <u>Veterinary Clinical Oncology</u> , 5 <sup>th</sup> Ed. (2013)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chabner: <u>Cancer Chemotherapy</u> , 5 <sup>th</sup> or 6 <sup>th</sup> Ed. (2011, 2019)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tannock&Hill: <u>Basic Science of Oncology</u> , 5 <sup>th</sup> Ed. (2013)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abbas: <u>Cellular and Molecular Immunology</u> , 9 <sup>th</sup> Ed. (2017)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meuten: <u>Tumors in Domestic Animals</u> , 5 <sup>th</sup> Ed. (2016)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weinberg: <u>The Biology of Cancer</u> , 2 <sup>nd</sup> Ed. (2013)	<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 <sup>th</sup> Ed. (2015)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cowell, Taylor & Meinkoth: <u>Diagnostic Cytology and Hematology of the Dog and Cat</u> , 4 <sup>th</sup> Ed. (2014)	<input checked="" type="checkbox"/> or Library:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hall: <u>Radiobiology for the Radiologist</u> , 7 <sup>th</sup> Ed. (2012)	<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"/>
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"/>
Raskin and Meyer: <u>Canine and Feline Cytology – a color atlas and interpretation guide</u> , 3rd edition (2015)	<input type="checkbox"/> or Library: <a href="#">Veterinary Medical Library</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Latimer: Duncan & Prasse's <u>Veterinary Laboratory Medicine: Clinical Pathology</u> , 5 <sup>th</sup> Ed. (2011)	<input type="checkbox"/> or Library: <a href="#">Veterinary Medical Library</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feldman, Zinkl and Jain: <u>Schalm's Veterinary Hematology</u> , 6 <sup>th</sup> 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 <sup>th</sup> Ed. (2014)	<input type="checkbox"/> or Library: <a href="#">Veterinary Medical Library</a>	<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: <a href="http://guides.library.tamu.edu/acvim">http://guides.library.tamu.edu/acvim</a>				
<i>Journal of Veterinary Internal Medicine</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Journal of the American Veterinary Medical Association</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>American Journal of Veterinary Research</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Journal of the American Animal Hospital Association</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Clinical Pathology</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary and Comparative Oncology</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Veterinary Pathology</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Surgery</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Radiology and Ultrasound</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Journal of Small Animal Practice</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Research in Veterinary Science</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Veterinary Immunology and Immunopathology</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cancer</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>New England Journal of Medicine</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Clinical Cancer Research</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Nature Reviews: Cancer</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cancer Research</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cancer Chemotherapy &amp; Pharmacology</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Journal of Feline Medicine and Surgery</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Journal of Comparative Pathology</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>BMC Veterinary Research</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>The Veterinary Journal</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Nature</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cell</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Science</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>PLoS Journals</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>BMC (Biomed Central) Journals: Genomics, Cancer, Genetics, Molecular Cancer</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cancer Immunology/Immunotherapy</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Clinical and Experimental Metastasis</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Oncogene</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Mammalian Genome</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Cancer Gene Therapy</i>	<input checked="" type="checkbox"/> or Library:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: All textbooks and journals are available in the OSU Veterinary Medical Library and residents have electronic access to all online versions of books/journals via the OSU Libraries Webpage.

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: [N/A](#)

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.