

**Large Animal Candidate Boot Camp
November 5-8, 2026
New Bolton Center, University of Pennsylvania**

Sponsored by



DAY 1 Thursday, November 5, 2026		
Time (Eastern Time)	Topic	Presenter(s)
7:00 am	Shuttle to New Bolton Center, Kennett Square PA	
7:00-7:45 am	Registration	
7:45-8:00 am	Welcome & Introductions	<i>Dr. Rose Nolen-Walston</i>
8:00-8:30 am	Lecture 1: Cardiology I Standard echocardiogram views and standards	<i>Dr. Claire Underwood</i>
8:40-9:45	Lecture 2: Cardio II Diagnosis and treatment of large animal cardiac disease	<i>Dr. Cristobal Navas de Solis</i>
9:45-10:00 am	Break	
10:00-10:50 am	Lecture 3: Ophthalmology I Corneal Disease	<i>Dr. Caroline Monk</i>
10:55-11:45 am	Lecture 4: Ophthalmology II Equine Recurrent Uveitis	<i>Dr. Caroline Monk</i>
11:45-12:45 pm	Lunch – “When hoofbeats are zebras...”	<i>Dr. Rose Nolen-Walston</i>
1:00-5:30 pm (Break 2:30-3:00 pm)	<u>Labs – 50 minutes per rotation</u> Lab 1: Cardio I - Standard echo views Lab 2: Cardio II - Doppler and left atrium/side views Lab 3: Ophthalmology I - Basic and Advanced Large Animal Ophthalmologic Examination Lab 4: Small Ruminant Ultrasound Examination	<i>Lab 1: Dr. Katherine Chope</i> <i>Lab 2: Dr. Cristobal Navas de Solis</i> <i>Lab 3: Dr. Caroline Monk</i> <i>Lab 4: Dr. Mary Jane Drake</i>
5:30 pm	Shuttle to hotel	

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**DAY 2
Friday, November 6, 2026**

Time (Eastern Time)	Topic	Presenter(s)
7:00-8:00 am	Shuttle to New Bolton Center, Kennett Square PA	
8:00-8:50 am	Lecture 5: Neurology: Myelogram	<i>Dr. Amy Johnson</i>
8:55-9:45	Lecture 6: Neurology/Myopathy: Performance	<i>Dr. Kara Brown and Dr. Sarah Colmer</i>
9:45-10:00 am	Break	
10:00-10:50 am	Lecture 7: Endocrine/Laminitis	<i>Dr. Andrew van Eps</i>
10:55-11:45 am	Lecture 8: Liver/Hepatitis	<i>Dr. Joy Tomlinson</i>
11:45-12:45 pm	Lunch – Leadership	<i>Dr. Sarah Reuss</i>
1:00-5:30 pm (Break 2:30-3:00 pm)	<u>Labs – 50 minutes per rotation</u> Lab 5: Small Ruminant CSF Centesis Lab 6: Tracheostomy lab - Horse, Cow, Small ruminant Lab 7: Bovine I - Examination of the Down Cow Lab 8: Bovine II - Mammary Gland Assessment and Treatment	<i>Lab 5: Dr. Daniela Luethy</i> <i>Lab 6: Dr. Holly Stewart</i> <i>Lab 7: Dr. Marie Fecteau</i> <i>Lab 8: Dr. Billy Smith</i>
5:30-7:30 pm	Dinner: LAIM Career Panel	<i>Faculty</i>
7:30 pm	Shuttle to hotel	

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**DAY 3
Saturday, November 7, 2026**

Time (Eastern Time)	Topic	Presenter(s)
7:00-8:00 am	Shuttle to New Bolton Center, Kennett Square PA	
8:00-8:50 am	Lecture 9: Cytology/Hematology	<i>Dr. Francisco Conrado</i>
8:55-9:45	Lecture 10: Acid-Base for Internists	<i>Dr. Rose Nolen-Walston</i>
9:45-10:00 am	Break	
10:00-10:50 am	Lecture 11: Behavior/Ethics • Recognizing Discomfort in Large Animal Species	<i>Dr. Sue McDonnell</i>
10:55-11:45 am	Lecture 12: Large animal pain management	<i>Dr. Klaus Hopster</i>
11:45-12:45 pm	Lunch	
1:00-5:30 pm (Break 2:30-3:00 pm)	<u>Labs – 50 minutes per rotation</u> Lab 9: Ophthalmology II • SPL, tarsorrhaphy, corneal cytology Lab 10: Cytology and hematology Lab 11: Muscle biopsy (needle or incisional) Lab 12: Horse CSF Centesis (LS or C1-C2)	<i>Lab 9: Dr. Caroline Monk</i> <i>Lab 10: Dr. Francisco Conrado</i> <i>Lab 11: Dr. Kara Brown</i> <i>Lab 12: Dr. Sarah Colmer</i>
5:30 pm	Shuttle to hotel – Longwood Gardens (optional event)	

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DAY 4 Sunday, November 8, 202		
Time (Eastern Time)	Topic	Presenter(s)
7:30 am	Shuttle to New Bolton Center	
8:00-10:00 am (each lab 2 hr)	Lab 13: Case-based EKG lab Lab 14: Myelogram (Group 2) Perform AO CSF collection, intrathecal contrast, positioning for neutral, flexed and extended views, interpretation of images	<i>Lab 13: Dr. JoAnn Slack and Dr. Kavita Shroff</i> <i>Lab 14: Dr. Sarah Colmer</i>
10:00-10:30	Break	
10:30-12:30 pm (each lab 2 hr)	Lab 13: Case-based EKG lab Lab 14: Myelogram (Group 2) Perform AO CSF collection, intrathecal contrast, positioning for neutral, flexed and extended views, interpretation of images	<i>Lab 13: Dr. JoAnn Slack and Dr. Kavita Shroff</i> <i>Lab 14: Dr. Sarah Colmer</i>
12:30-1:30 pm	Lunch and Course Wrap Up	

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