

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

*Sponsored by*



| DAY 1<br>Thursday, November 5, 2026  |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                              |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Time<br>(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                                                                                                                                                                                                                                                                                                                                                        | Dr. Rose Nolen-Walston                                                                                                       |
| 8:00-8:30 am                         | Lecture 1: Cardiology I <ul style="list-style-type: none"><li>Standard echocardiogram views and standards</li></ul>                                                                                                                                                                                                                                                            | Dr. Claire Underwood                                                                                                         |
| 8:40-9:45                            | Lecture 2: Cardio II <ul style="list-style-type: none"><li>Diagnosis and treatment of large animal cardiac disease</li></ul>                                                                                                                                                                                                                                                   | Dr. Cristobal Navas de Solis                                                                                                 |
| 9:45-10:00 am                        | Break                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                              |
| 10:00-10:50 am                       | Lecture 3: Ophthalmology I <ul style="list-style-type: none"><li>Corneal Disease</li></ul>                                                                                                                                                                                                                                                                                     | Dr. Mary Lassaline                                                                                                           |
| 10:55-11:45 am                       | Lecture 4: Ophthalmology II <ul style="list-style-type: none"><li>Equine Recurrent Uveitis</li></ul>                                                                                                                                                                                                                                                                           | Dr. Mary Lassaline                                                                                                           |
| 11:45-12:45 pm                       | Lunch – “When hoofbeats are zebras...” EKG cases                                                                                                                                                                                                                                                                                                                               | Dr. Cristobal Navas de Solis                                                                                                 |
| 1:00-5:30 pm<br>(Break 2:30-3:00 pm) | <u>Labs – 50 minutes per rotation</u><br>Lab 1: Cardio I <ul style="list-style-type: none"><li>Standard echo views</li></ul> Lab 2: Cardio II <ul style="list-style-type: none"><li>Doppler and left atrium/side views</li></ul> Lab 3: Ophthalmology I <ul style="list-style-type: none"><li>SPL, tarsorrhaphy, corneal cytology</li></ul> Lab 4: Small Ruminant CSF Centesis | Lab 1: Dr. Katherine Chope<br>Lab 2: Dr. Cristobal Navas de Solis<br>Lab 3: Dr. Mary Lassaline<br>Lab 4: Dr. Mary Jane Drake |
| 5:30 pm                              | Shuttle to hotel                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                              |

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

| Time<br>(Eastern Time)               | Topic                                                                                                                                                                                                                                                                                                                                                                                                                            | Presenter(s)                                                                                                                            |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 7:00-8:00 am                         | <b>Shuttle to New Bolton Center, Kennett Square PA</b>                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         |
| 8:00-8:50 am                         | <b>Lecture 5: Neurology: Myelogram</b>                                                                                                                                                                                                                                                                                                                                                                                           | <i>Dr. Amy Johnson</i>                                                                                                                  |
| 8:55-9:45                            | <b>Lecture 6: Neurology/Myopathy: Performance</b>                                                                                                                                                                                                                                                                                                                                                                                | <i>Dr. Kara Brown and Dr. Sarah Colmer</i>                                                                                              |
| 9:45-10:00 am                        | <b>Break</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                         |
| 10:00-10:50 am                       | <b>Lecture 7: Endocrine/Laminitis</b>                                                                                                                                                                                                                                                                                                                                                                                            | <i>Dr. Andrew van Eps</i>                                                                                                               |
| 10:55-11:45 am                       | <b>Lecture 8: Liver/Hepatitis</b>                                                                                                                                                                                                                                                                                                                                                                                                | <i>Dr. Joy Tomlinson</i>                                                                                                                |
| 11:45-12:45 pm                       | <b>Lunch – Topic TBD</b>                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Dr. Billy Smith</i>                                                                                                                  |
| 1:00-5:30 pm<br>(Break 2:30-3:00 pm) | <b><u>Labs – 50 minutes per rotation</u></b><br><b>Lab 5: Small Ruminant Ultrasound Examination</b><br><b>Lab 6: Tracheostomy lab</b> <ul style="list-style-type: none"> <li>Horse, Cow, Small ruminant</li> </ul> <b>Lab 7: Bovine I</b> <ul style="list-style-type: none"> <li>Moving the Down Cow</li> </ul> <b>Lab 8: Bovine II</b> <ul style="list-style-type: none"> <li>Mammary Gland Assessment and Treatment</li> </ul> | <i>Lab 5: Dr. Daniela Luethy</i><br><i>Lab 6: Dr. Holly Stewart</i><br><i>Lab 7: Dr. Marie Fecteau</i><br><i>Lab 8: Dr. Billy Smith</i> |
| 5:30-7:30 pm                         | <b>Dinner: LAIM Career Panel</b>                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Faculty</i>                                                                                                                          |
| 7:30 pm                              | <b>Shuttle to hotel</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                         |

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| <b>DAY 3<br/>Saturday, November 7, 2026</b> |                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                    |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Time<br/>(Eastern Time)</b>              | <b>Topic</b>                                                                                                                                                                                                                                                                                                    | <b>Presenter(s)</b>                                                                                                                                                                |
| 7:00-8:00 am                                | <b>Shuttle to New Bolton Center, Kennett Square PA</b>                                                                                                                                                                                                                                                          |                                                                                                                                                                                    |
| 8:00-8:50 am                                | <b>Lecture 9: Cytology/Hematology</b>                                                                                                                                                                                                                                                                           | <i>Dr. Francisco Conrado</i>                                                                                                                                                       |
| 8:55-9:45                                   | <b>Lecture 10: Acid-Base for Internists</b>                                                                                                                                                                                                                                                                     | <i>Dr. Rose Nolen-Walston</i>                                                                                                                                                      |
| 9:45-10:00 am                               | <b>Break</b>                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |
| 10:00-10:50 am                              | <b>Lecture 11: Behavior/Ethics</b><br>• Recognizing Discomfort in Large Animal Species                                                                                                                                                                                                                          | <i>Dr. Sue McDonnell</i>                                                                                                                                                           |
| 10:55-11:45 am                              | <b>Lecture 12: Large animal pain management</b>                                                                                                                                                                                                                                                                 | <i>Dr. Klaus Hopster</i>                                                                                                                                                           |
| 11:45-12:45 pm                              | <b>Lunch – “When hoofbeats are zebras...”</b>                                                                                                                                                                                                                                                                   | <i>Dr. Rose Nolen-Walston</i>                                                                                                                                                      |
| 1:00-5:30 pm<br>(Break 2:30-3:00 pm)        | <b><u>Labs – 50 minutes per rotation</u></b><br><br><b>Lab 9: Ophthalmology II</b> – Basic and Advanced Large Animal Ophthalmologic Examination<br><br><b>Lab 10: Cytology and hematology</b><br><br><b>Lab 11: Muscle biopsy</b> (needle or incisional)<br><br><b>Lab 12: Horse CSF Centesis</b> (LS or C1-C2) | <i>Lab 9: Dr. Mary Lassaline and<br/>Dr. Caroline Monk</i><br><br><i>Lab 10: Dr. Francisco Conrado</i><br><br><i>Lab 11: Dr. Kara Brown</i><br><br><i>Lab 12: Dr. Sarah Colmer</i> |
| 5:30 pm                                     | Shuttle to hotel – Longwood Gardens (optional event)                                                                                                                                                                                                                                                            |                                                                                                                                                                                    |

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| <b>DAY 4<br/>Sunday, November 8, 202</b> |                                                                                                                                                                                                                                                             |                                                                                                  |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Time<br/>(Eastern Time)</b>           | <b>Topic</b>                                                                                                                                                                                                                                                | <b>Presenter(s)</b>                                                                              |
| 7:30 am                                  | <b>Shuttle to New Bolton Center</b>                                                                                                                                                                                                                         |                                                                                                  |
| 8:00-10:00 am<br>(each lab 2 hr)         | <b>Lab 13: Case-based EKG lab</b><br><br><b>Lab 14: Myelogram (Group 2)</b> <ul style="list-style-type: none"> <li>Perform AO CSF collection, intrathecal contrast, positioning for neutral, flexed and extended views, interpretation of images</li> </ul> | <i>Lab 13: Dr. JoAnn Slack and<br/>Dr. Kavita Schroff</i><br><br><i>Lab 14: Dr. Sarah Colmer</i> |
| 10:00-10:30                              | <b>Break</b>                                                                                                                                                                                                                                                |                                                                                                  |
| 10:30-12:30 pm<br>(each lab 2 hr)        | <b>Lab 13: Case-based EKG lab</b><br><br><b>Lab 14: Myelogram (Group 2)</b> <ul style="list-style-type: none"> <li>Perform AO CSF collection, intrathecal contrast, positioning for neutral, flexed and extended views, interpretation of images</li> </ul> | <i>Lab 13: Dr. JoAnn Slack<br/>and Dr. Kavita Schroff</i><br><br><i>Lab 14: Dr. Sarah Colmer</i> |
| 12:30-1:30 pm                            | <b>Lunch and Course Wrap Up</b>                                                                                                                                                                                                                             |                                                                                                  |

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