Cardiopulmonary Boot Camp (CPBC) is a continuing education event targeted at Emergency and Critical Care residents as well as boarded diplomates of the American College of Veterinary Emergency and Critical Care. Other potential attendees include anesthesia residents and diplomates, as well as residents and diplomates from the European Colleges of Anesthesia and Emergency and Critical Care.

It is an intensive, unique five-day course designed to provide hands-on experience as well as lectures by preeminent specialists in cardiac physiology, cardiac output monitoring, advanced imaging techniques, respiratory physiology, mechanical ventilation, and cardiopulmonary resuscitation. The agenda includes:

- 20 hours of seminars and interactive discussions
- 14 hours of state of the art immersive simulation scenarios focused on mechanical ventilation, CPR, and cardiopulmonary crises
- 6.5 hours of hands-on experience with cardiac output monitoring, ultrasound, and emergency procedures
- 14 internationally renowned speakers

The total number of attendees is limited to 32 to allow small group, hands-on experience during the labs and simulations and extensive interaction between faculty and attendees. This will provide a highly unique opportunity for individuals to develop critical skills for managing patients with hemodynamic or respiratory compromise in collaboration with a small group of attendees with similar backgrounds and experience and a team of engaged instructors.
Cardiopulmonary Boot Camp will take place at the Cornell University College of Veterinary Medicine, with extensive use of the newly built Tetlow and Roy Park Innovation Laboratory, a first of its kind veterinary immersive simulation center. Capabilities of the Innovation Lab include:

- High fidelity, intubatable canine simulators with palpable pulses, and auscultable heart and lung sounds
- Two exam rooms with simulated patient monitors, crash carts and defibrillators
- Two observation rooms with conference tables and multi-angle video feeds
- High fidelity mechanical ventilator simulator (Ingmar Medical ASL-5000)

Additional facilities available at Cornell include a large wet lab space for live animal labs (ultrasound and cardiac output monitoring) and multiple lecture hall and classroom facilities.

Cornell University is located in the city of Ithaca in the beautiful Finger Lakes region of upstate New York. It is easily accessible by plane (airport ten minutes from the Cornell campus, served by United, Delta and American Airlines), bus from New York City or car (four-hour drive from New York City or Philadelphia).
SPONSORSHIP PACKAGES

Why sponsor the CPBC?
Any company that wants to reach motivated, frontline clinicians involved in cardiac physiology, cardiac output monitoring, advanced imaging techniques, respiratory physiology, mechanical ventilation, and cardiopulmonary resuscitation. CPBC attendees are diverse and multidisciplinary, yet they all share the desire for knowledge about the most useful products and services to improve patient outcomes.

- Unique ground breaking event in veterinary emergency and critical care medicine
- Direct access to a small group of current and future specialists in ECC medicine
- Direct access to key opinion leaders in ECC medicine
- Opportunity to showcase your company and products (pending sponsorship package)
- Visibility of your company’s logo in all proceedings, and slides during coffee breaks
- State of the art simulation training center

Tailored Marketing Packages
Customized sponsorship packages are available. Choose your level and select from a robust list of communications and promotional opportunities to reach your target audience.

<table>
<thead>
<tr>
<th>Sponsorship Level</th>
<th>Sponsorship Amount</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>Bronze</td>
<td>&lt; $2,000</td>
<td>Logo on proceedings and in online content</td>
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<tr>
<td>Silver</td>
<td>$2,000</td>
<td>All Bronze plus… Exhibitor space at the event</td>
</tr>
<tr>
<td>Gold</td>
<td>$3,000</td>
<td>All Silver plus… 10 minute presentation at a lunch session or coffee break</td>
</tr>
<tr>
<td>Diamond</td>
<td>$5,000</td>
<td>All Gold plus… Exclusive sponsorship of a CPBC dinner or lunch, and presentation at the event</td>
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</table>

Equipment Sponsors
Equipment loans of any size are welcome
The following equipment is needed for the hands-on labs:
- 4 Mechanical ventilators
- 4 Ultrasound machines with probes
  - 8-MHz convex
  - 5MHz phased array
  - 10MHz linear
  - 5MHz multiplane transesophageal
- 2 Lung simulators

For More Information
http://cpbootcamp.org
**WORLD-RENOWED FACULTY**

- Jordyn Boesch, DVM, DACVAA  
  Lecturer in Anesthesiology  
  Cornell University
- Soren Boysen, DVM, DACVECC  
  Associate Professor of Emergency and Critical Care  
  University of Calgary
- Edward M. Darling, MS, CCP  
  Associate Professor of CHP-Cardiovascular Perfusion  
  State University of New York Upstate Medical University
- Terri DeFrancesco, DVM, DACVIM, DACVECC  
  Professor of Cardiology and Emergency and Critical Care  
  North Carolina State University
- Daniel Fletcher, PhD, DVM, DACVECC  
  Associate Professor of Emergency and Critical Care  
  Cornell University
- Robert Goggs, BVSc, DACVECC, DECVECC, PhD, MRCVS  
  Lecturer in Emergency and Critical Care  
  Cornell University
- Kate Hopper, DVM, DACVECC, PhD  
  Associate Professor of Emergency and Critical Care  
  University of California, Davis
- Manuel Martin-Flores, MV, DACVAA  
  Assistant Professor of Anesthesiology  
  Cornell University
- Romain Pariaut, DVM, DACVIM, DECVIM-CA  
  Associate Professor of Cardiology  
  Cornell University
- Elizabeth Rozanski, DVM, DACVIM, DACVECC  
  Associate Professor of Emergency and Critical Care  
  Tufts University
- Gretchen Schoeffler, DVM, DACVECC  
  Senior Lecturer in Emergency and Critical Care  
  Cornell University
- Peter Scrivani, DVM, DACVR  
  Associate Professor of Diagnostic Imaging  
  Cornell University
- Andre Shih, DVM, DACVAA, DACVECC  
  Associate Professor of Anesthesia/Emergency and Critical Care  
  University of Florida
- Deborah Silverstein, DVM, DACVECC  
  Associate Professor of Emergency and Critical Care  
  University of Pennsylvania

**AGENDA**

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
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<tbody>
<tr>
<td>0700 – 0800</td>
<td><strong>Introduction</strong></td>
<td>Mechanical ventilation theory 1 (Hopper)</td>
<td>Mechanical ventilation theory 3 (Hopper)</td>
<td>Advanced ventilation simulations (Boysen, Fletcher, Goggs, Hopper, Rozanski, Schoeffler)</td>
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<tr>
<td>0800 – 0900</td>
<td>CV physiology 1 – The heart as a pump (DeFrancesco)</td>
<td>Point of care echo 1 (DeFrancesco)</td>
<td>Mechanical ventilation theory 2 (Hopper)</td>
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<tr>
<td>0900 – 1000</td>
<td>CV physiology 2 – Blood flow dynamics and regulation (Shih)</td>
<td>Point of care echo 2 (DeFrancesco)</td>
<td>Coffee break</td>
<td>Ventilator waveform analysis (Rozanski)</td>
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<tr>
<td>1000 – 1030</td>
<td><strong>Coffee break</strong></td>
<td>Lungen ultrasound (Boysen)</td>
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<tr>
<td>1030 – 1130</td>
<td>Cardiovascular regulation and the pathophysiology of shock (Schoeffler)</td>
<td>Post-cardiac arrest care and future directions in CPR – ITD, E-CPR, TTM, etc. (Fletcher)</td>
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<tr>
<td>1130 – 1230</td>
<td>Perfusion assessment and the microcirculation (Goggs)</td>
<td>CD monitoring 1: Principles (Shih)</td>
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<tr>
<td>1230 – 1330</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
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<tr>
<td>1330 – 1430</td>
<td>Fluid resuscitation and the use of vasopressors and isotropes (Boysen)</td>
<td>CO monitoring 2: Putting it into practice – using the information (Shih)</td>
<td>_</td>
<td>Cardiopulmonary crisis simulations (Fletcher, Goggs, Hopper, Rozanski, Schoeffler, Shih)</td>
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<tr>
<td>1430 – 1530</td>
<td>Colloids, crystalloids and the glycoalyx (Fletcher)</td>
<td>Respiratory physiology 1 (Silverstein)</td>
<td>Advanced thoracic imaging: CT, CTPA, PET (Scrivani)</td>
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<tr>
<td>1530 – 1600</td>
<td>Coffee break</td>
<td>CPR simulations (Fletcher, Hopper, Rozanski, Schoeffler, Silverstein)</td>
<td>Cardiac output lab - NICO, NICOM, LiDCO, PAC, TEE (Shih, Boysen, DeFrancesco, Goggs, Martin-Flores)</td>
<td>Wrap up and feedback</td>
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<tr>
<td>1600 – 1700</td>
<td>ECG interpretation for E and CC (Pariaut)</td>
<td>Respiratory physiology 2 (Silverstein)</td>
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<tr>
<td>1700 – 1800</td>
<td>Cardiopulmonary bypass, ECMO</td>
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<td>Dinner Event</td>
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