Welcome to the 2013 International Laminitis Conference,

The conference planning team of dedicated professionals is excited to bring you this year’s program! You will find many new components in addition to the cutting-edge information and research that have come to be a hallmark of the conference. We have added a new session devoted to enlightened science and practical information on the equine hoof besides laminitis, thus widening our focus and bringing in yet another aspect of equine medicine. A concentrated half-day will focus on important topics for a new in-depth owner’s program. We have an outstanding faculty lined up and have included a new addition of abstract presentations, which will become a cornerstone for expanding our reach for research around the globe.

The laminitis community is committed to conquering this disease by 2020. At this year’s conference, science and practical information will again be balanced with the opportunity to network and interact with other attendees throughout each full day of absorbing the latest research.

We look forward to seeing you November 1-3 and thank you for your interest in, and support of, the conference.

Conference Directors
James A. Orsini, DVM, DACVS, Co-Director IECLDF
Rustin M. Moore, DVM, PhD, DACVS, Co-Director IECLDF

VISIONARIES AND FOUNDERS OF THE LAMINITIS CONFERENCE
Marianne and John K. Castle

We are grateful to the following individuals for their commitment to finding a cure for laminitis.

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In loving memory of our beloved founding committee member Denise Rotko

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Renate Weller
The Royal Veterinary College • United Kingdom

Claire Wylie
Universitat Autonoma De Barcelona • Barcelona, Spain
## SCIENTIFIC FOCUS

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<tr>
<th>Time</th>
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<tr>
<td>9:10 - 9:40</td>
<td>Epidemiological investigation of equine laminitis:</td>
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<td>Advantages and limitations</td>
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<td>Noah Cohen</td>
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<tr>
<td>9:45 - 10:15</td>
<td>Epidemiological aspects of equine laminitis in</td>
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<td>Great Britain: 2009-2011</td>
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<td>Claire Wylie</td>
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<tr>
<td>10:20 - 11:20</td>
<td>Laminitic paleopathology: Evidence from the fossil record of equus</td>
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<td>Lane Wallett</td>
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<td>Clinical risk factors for equine laminitis: Observational findings</td>
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<td>Jim Orsini</td>
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<td>Spontaneous (natural disease) cases of equine laminitis:</td>
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<td>Epidemiological and pathological correlations in a referral hospital population</td>
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<td>Julie Engiles</td>
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## PRACTICAL FOCUS ONE

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:20 - 1:50</td>
<td>The equine metabolic syndrome phenotype</td>
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<td>Ray Geor</td>
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<td>1:55 - 2:25</td>
<td>Insulin resistance and laminitis in broodmares</td>
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<td>Hannah Galantino-Homer</td>
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## PRACTICAL FOCUS TWO

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00 - 8:55</td>
<td>Why are we here? Welcome to foot science</td>
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<tr>
<td></td>
<td>Fran Jurga and Pat Reilly</td>
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<tr>
<td>9:10 - 9:40</td>
<td>Foot science in the field and lab: Research as a hands-on commitment to the horse</td>
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<td>David Hood</td>
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<tr>
<td>10:20 - 11:20</td>
<td>New research on the foot: Technology and tools</td>
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<td>Panel</td>
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<td>11:20 - 12:15</td>
<td>Poster session</td>
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<tr>
<td>12:15 - 1:15</td>
<td>Luncheon with Presentation by Speakers</td>
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<tr>
<td>1:20 - 1:40</td>
<td>Equine hoof wall tubule density and morphology</td>
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<td>Lisa Lancaster</td>
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<tr>
<td>1:45 - 2:05</td>
<td>Development of inner hoof wall in fetal and foal feet</td>
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<td>Robert Bowker</td>
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<tr>
<td>2:10 - 2:30</td>
<td>Radiographic findings regarding the toe crena</td>
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<td>Bjorn Berg</td>
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</tbody>
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### SCIENTIFIC FOCUS

#### ABSTRACTS

**Dynamic testing for endocrinopathic laminitis:**
A comparison  
*Nick Frank*

**AMPK activation in response to dietary non-structural carbohydrates:**
*Teresa Burns*

**Adipokine, chemokine and cytokine expression profiles in adipose tissue depots:**
*Patty Sue Weber*

#### Anatomy and physiology

**Lymphatics of the foot**
*Chris Pollitt*

**Epidermal contributions to the suspensory apparatus of the distal phalanx**
*Hannah Galantino-Homer*

#### ABSTRACTS

**Equine hoof wall tubule density and morphology**
*Lisa Lancaster*

**Development of inner hoof wall in fetal and foal feet**
*Robert Bowker*

**Fish oil is a modulator of neutrophil function in chronic laminitis**
*Samantha Steelman*

**Equine insulin resistance: #1 cause of laminitis**
*Frank Reilly*

### PRACTICAL FOCUS ONE

#### ABSTRACTS

**A new look at management of endocrinopathic laminitis through diet and supplements**

**Nutritional management of insulin resistance**
*Ray Geor*

**Treatment options for hyperinsulinemia: Medications and supplements**
*Nick Frank*

### PRACTICAL FOCUS TWO

#### ABSTRACTS

**Hoof wall cornification and its significance in disease conditions**
*David Hood*

**Clinical and genetic investigation of connemara hoof wall separation syndrome**
*Carrie Finno*

**Is there a relationship between lateromedial foot imbalance and distal interphalangeal joint collateral ligament injuries?**
*Renate Weller*

**Is there a relationship between foot conformation and foot lesions in lame horses?**
*Renate Weller*

**Does hoof deformation differ between horses with collapsed heels and horses with non-collapsed heels?**
*Renate Weller*

**Development and clinical significance of sidebone in Swedish cold-blooded horses**
*Ove Wattle*

### Registration

[Register at www.laminitisconference.com](http://www.laminitisconference.com)

### Dinner

**at the Beach Club hosted by Marianne and John K. Castle**

*Bring your dancing shoes to enjoy the disco party!*

*Buses will depart promptly at 6:00 PM*

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**International Equine Conference on Laminitis and Diseases of the Foot**
**Friday, November 1, 2013**

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**EARN 18 CE HOURS**

### Saturday, November 2, 2013

#### Scientific Focus

**7:00 - 8:00 AM**

**EMS and Inflammation**

- Inflammation in laminitis - the “itis” in laminitis may not pertain to all  
  James Belknap

**8:00 - 8:35**

- Inflammation in laminitis - the “itis” in laminitis may not pertain to all  
  James Belknap

**9:00 - 9:30 AM**

- Reparixin, an antagonist of CXCR1/2, inhibits CXCL8-induced equine neutrophil migration  
  Rafael Faleiros

- Endothelin-1 expression after 9 hours of endotoxemia  
  Felicia Gauff

- Use of laser capture microdissection for the assessment of equine lamellar basal epithelial cell signaling in the early stages of laminitis  
  Britta Leise

**9:30 - 10:00 AM**

- Pain-associated changes in the dorsal root ganglia of laminitic horses  
  Felicia Gauff

- Reparixin, an antagonist of CXCR 1/2, in experimental laminitis  
  Rafael Faleiros

- Using manual lymph drainage to support recovery from laminitis  
  Heather Powell

**10:00 - 10:30 AM**

- Examining the contribution of lamellar perfusion and energy failure in supporting limb laminitis  
  James Belknap and Andrew van Eps

**10:35 - 11:05 AM**

- Using stem cells in clinical cases of laminitis  
  Vernon Dryden

#### Practical Focus One

**8:00 - 8:35**

- Pain management and therapeutics
  - Pain management and anti-inflammatories:  
    Andrew van Eps

- Rehabilitation outcome of 14 obesity-associated equine laminitis cases  
  Debra Taylor

- A reproducible model for long-term rehabilitation of the foundered equine metabolic syndrome horse  
  Daisy Bicking

**9:00 - 9:30 AM**

- Pain management and therapeutics
  - Where are we?  
    Andrew van Eps

- ABSTRACTS
  - Reparixin, an antagonist of CXCR1/2, inhibits CXCL8-induced equine neutrophil migration  
    Rafael Faleiros

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- Examining the contribution of lamellar perfusion and energy failure in supporting limb laminitis  
  James Belknap and Andrew van Eps

#### Practical Focus Two

**9:00 - 9:30 AM**

- Dynamics of the sound hoof
  - The biomechanics of the foot:  
    Panel Discussion

- Equine distal limb kinematics during locomotion using high-speed fluoroscopy  
  Renate Weller

- 3D modeling from CT scans via 3D printing  
  Chris Pollitt

**10:00 - 10:30 AM**

- Lunging on soft and hard ground: Differences between sound and mildly lame horses  
  Thilo Pfau

- The immediate effect of shoeing on movement symmetry in the trotting horse  
  Thilo Pfau

- Limb loading causes variable increases in internal digital cushion pressure in horses  
  Sharon Warner

- A bovine model for equine digital cushion development  
  Julie Gard

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**Breakfast**

---

**Register on the Web at** [WWW.LAMINITISCONFERENCE.COM](http://WWW.LAMINITISCONFERENCE.COM)

**Earn 18 CE Hours**
### SCIENTIFIC FOCUS

**Examining the contribution of lamellar perfusion and energy failure in supporting limb laminitis**

*James Belknap and Andrew van Eps • part two*

**Investigating serum biomarkers for equine laminitis**

*Hannah Galantino-Homer*

**Prophylactic digital cryotherapy (ice) was associated with decreased incidence of laminitis in horses diagnosed with colitis**

*Susan Holcombe*

**Prophylactic digital cryotherapy (ice) was associated with decreased incidence of laminitis in horses diagnosed with colitis**

*Andrew van Eps*

**Cryotherapy at the onset (OG2) of laminitis**

*Thomas Ryan*

**Organotype culture system for equine lamellar epidermal cells**

*Renata Linardi*

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*Renata Linardi*

### PRACTICAL FOCUS ONE

**Managing laminitis with foot casts**

*Vernon Dryden*

**The suspensory apparatus of the distal phalanx**

*Chris Pollitt*

**The effect of shoe material on foot slip during impact on concrete and tarmacadam roadways**

*C.H. Pardoe*

**Clinical prognosis of the horse with chronic laminitis**

*David Hood*

### PRACTICAL FOCUS TWO

**Shoeing for performance and foot health: A new way of thinking**

*Mark Silverman*

**On the case: Real life laminitis cases**

*Don Walsh, Moderator*

**Cryotherapy at the onset (OG2) of laminitis**

*Andrew van Eps*

**Investigating serum biomarkers for equine laminitis**

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**Cryotherapy at the onset (OG2) of laminitis**

*Thomas Ryan*

**Organotype culture system for equine lamellar epidermal cells**

*Renata Linardi*

### ABSTRACTS

**Laminitis: A small shift in timing**

*Thomas Ryan*

**Dorsal hoof wall grooving for the treatment of acute laminitis**

*Thomas Ryan*

**Looking backward at laminitis: A retrospective study**

*Don Walsh*

**On the case: Real life laminitis cases**

*Don Walsh, Moderator*

**Clinical prognosis of the horse with chronic laminitis**

*David Hood*

**Regenerative medicine and laminitis: Where are we?**

*John Peroni*

**Understanding laminitis from start to finish**

*Opening / Welcome • 1:30*

*Rustin Moore / James Orsini*

**Nutrition for the laminitic horse**

*Ray Geor*

**Cryotherapy**

*Rob Boswell*

**Aftercare / Home care**

*Jennifer Wrigley*

**Laminitis 911**

*Rob Boswell / Raul Bras*
The goals of the conference are the better understanding, prevention, and treatment of laminitis and other diseases of the equine foot.
Friday, November 1 - Sunday, November 3, 2013

Marriott Conference Center • 1001 Okeechobee Boulevard • West Palm Beach, FL 33401

The registration fee includes all course materials, meals and evening entertainment on Friday, Saturday and Sunday morning as indicated in the program.

This course has been submitted for 18 hours of continuing education credits in jurisdictions that recognize AAVSB RACE approval; however participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education.

REGISTER ONLINE AT WWW.LAMINITISCONFERENCE.COM

CONFERENCE HOTEL  For lodging reservations call the Marriott at 800-376-2292
Room block ends October 14, 2013 • Group rate is $145.00 plus tax

REGISTRATION  TAKE ADVANTAGE OF EARLY BIRD REGISTRATION!
$550.00 per person or $750.00 attendee + one ends September 20th

Student/Resident Registration $300.00 each

General Registration begins September 20, 2013 at 9:00 AM at the cost of $700.00 per attendee

Owner's Program • $150.00 per attendee includes dinner

To qualify for early registration rates, all forms and payments must be received by September 20, 2013
To qualify for student/resident rate, written documentation from school/college administration is required

ADA COMPLIANCE In compliance with the Americans with Disabilities Act of 1990, we will make all reasonable efforts to accommodate persons with disabilities. Please call with your requests.

REQUESTS FOR REFUNDS MUST BE SUBMITTED IN WRITING AND RECEIVED BY OCTOBER 25, 2013. A $50.00 SERVICE CHARGE WILL BE APPLIED TO ALL REFUNDS.

FOR QUESTIONS OR INQUIRIES  Phone: 508-395-9929  Email: info@laminitisconference.com