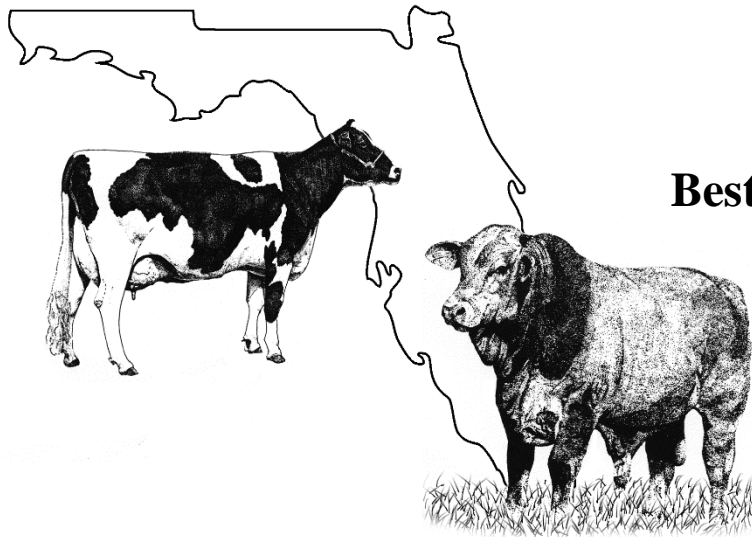


2022 Florida Ruminant Nutrition Symposium



May 9 – 11, 2022
Best Western Gateway Grand Hotel
Gainesville, Florida

33rd Annual Meeting

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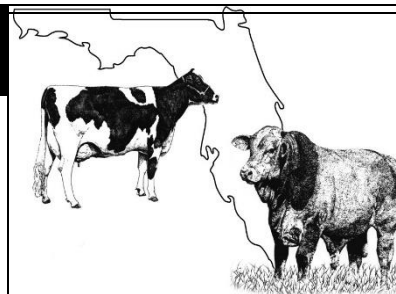
Department of Animal Sciences

Visit the Symposium website today!
<https://bit.ly/3syld5u>

Symposium Registration

33rd Annual Florida Ruminant Nutrition Symposium

May 9 - 11, 2022 • Best Western Gateway Grand
Gainesville, FL



Registration Information

The registration fee includes continental breakfasts, Monday's reception, Tuesday's buffet hot and cold luncheon, refreshment breaks, Tuesday night's reception, and one copy of the symposium proceedings.

Early Reduced Registration Fee
(On or before May 1, 2022) **\$180.00**

Late & On-site Registration Fee
(After May 1, 2022)..... **\$220.00**

REGISTER ONLINE: Registration and sponsorship opportunities are available in the website below paying by credit card (VISA, MasterCard, or American Express).

FL Ruminant Nutrition Symposium website at: <https://bit.ly/3syld5u>

Registration at: <https://bit.ly/3xBVYp3>

If mailing a check (payable to University of Florida/Ruminant Nutrition Symposium, U.S. dollars and drawn on U.S. banks), then contact Shelby Thomas soesterreicher@ufl.edu with check and this registration form mailed to Department of Animal Sciences, 2250 Shealy Drive, University of Florida, Gainesville, FL 32611-0910.

REFUND POLICY: Send cancellation request to jepsantos@ufl.edu or through Eventbrite by May 1, 2022. A \$20.00 processing fee will be deducted from all refunds.

Visit and Bookmark the Symposium Website for Details

- **Registration – Early Registration Fee Deadline is May 1, 2022**
- **Program Speakers, Updates & Announcements**
- **Accommodations & Meeting Site**
- **Sponsors & Supporters**
- <https://bit.ly/3syld5u>
- **ARPAS CE credits:** 12 CE credits are approved by ARPAS.

Questions?

Conference Information

Dr. José E. P. Santos, Symposium Organizer
Department of Animal Sciences
University of Florida/IFAS
PO Box 110910
Gainesville, FL 32611-0910
TEL: (352) 294-6998 • FAX: (352) 392-1931
E-MAIL: jepsantos@ufl.edu

Conference Information

Shelby O. Thomas
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E-MAIL: soesterreicher@ufl.edu

Symposium Program

Monday, May 9, 2022 - Mini-Symposium sponsored by Balchem Corporation “*Exploring In Utero influences on Transgenerational Performance*”

- 2:00 PM **Scott Sorrell**, Balchem Corporation. *Welcome and introductions*
- 2:05 PM **Dr. Jack Britt**, Jack H. Britt Consulting. “*Epigenetics will change how we manage cattle*”
- 2:45 PM **Dr. Chad Dechow**, Penn State University. “*Epigenetic considerations from a dairy breeding and management perspective*”
- 3:30 PM **Refreshment Break**
- 3:50 PM **Dr. Jimena Laporta**, University of Wisconsin. “*Phenotypic and Molecular Signatures of Fetal Hyperthermia*”
- 4:35 PM **Dr. Peter Hansen**, University of Florida. “*Methyl donors and epigenetic regulation of the early embryo*”
- 5:20 PM **Dr. Clay Zimmerman**. Balchem Summary and wrap-up
- 5:45 PM **Poolside Barbeque**

Tuesday, May 10, 2022 – University of Florida Showcase “*Update on Nutrition Research at the University of Florida*”

- 8:10 AM **Dr. Philippe Moriel**, University of Florida. “*Improving beef progeny performance through developmental programming*”
- 8:50 AM **Dr. Fernanda Batistel**, University of Florida. “*Methyl donors and fetal and neonatal development*”
- 9:30 AM **Refreshment Break**
- 10:00 AM **Dr. Corwin Nelson**, University of Florida “*Update on vitamin D nutrition for transition cows*”
- 10:40 AM **Usman Arshad**, University of Florida “*Choline: an essential nutrient for dairy cows*”
- 10:55 AM **Felipe Amaro**, University of Florida “*Nitrogen efficiency as predictor of production performance in commercial dairy herds*”
- 11:10 AM **Mariana Nehme Marinho**, University of Florida “*Assessing feed efficiency and its association with health and reproduction*”
- 11:30 AM **Buffet Lunch**

Tuesday, May 10, 2022 – Symposium

- 1:00 PM **Dr. José Santos**, University of Florida. *Welcome*
- 1:05 PM **Dr. John Arthington**, University of Florida. Department of Animal Sciences update
- 1:10 PM **Dr. Clint Krehbiel**, University of Nebraska-Lincoln. “*Nutrient partitioning during immunological challenge*”
- 1:50 PM **Dr. Barry Bradford**, Michigan State University “*Mechanisms of hypophagia during disease*”
- 2:30 PM **Dr. Chanhee Lee**, The Ohio State University. “*Improving N efficiency through diet formulation*”
- 3:10 PM **Refreshment Break**
- 3:40 PM **Dr. Min Du**, Washington State University. “*Pre- and postnatal muscle and adipose tissue growth in beef cattle*”
- 4:20 PM **Dr. Sha Tao**, University of Georgia. “*Environmental effects on calf performance and responses to different feeding program*”
- 5:00 PM **Welcome Reception**

Wednesday, May 11, 2022 – Symposium

- 6:30 AM **Continental Breakfast**
- 8:00 AM **Dr. Oscar Queiroz**, Chr. Hansen “*Methods for silage conservation to improve quality*”
- 8:40 AM **Dr. João (Joe) Vendramini**, University of Florida. “*Forage conservation for winter cow-calf systems*”
- 9:20 AM **Dr. Ben Saylor**, Arm & Hammer Animal and Food Production. “*Make your herd resilient to hidden challenges*”
- 10:00 AM Refreshment Break
- 10:30 AM **Dr. Robin White**, Virginia Tech. “*The role of animal production on the environment*”
- 11:10 AM **Dr. Sara Place**, Elanco Animal Health. “*Beef production and environmental sustainability*”
- 11:50 AM Ruminant Nutrition Symposium Adjourns

Meeting Site & Hotel Accommodations

Best Western Gateway Grand Hotel

4200 NW 97th Blvd.
Gainesville, Florida 32606
(Exit 390 off of I-75).

All reservations must be made directly with the hotel in order to get the discounted group rate. Contact the Best Western Gateway Grand Hotel directly at (352) 331-3336 and mention group **Ruminant Nutrition Symposium 2022** to get group's special rate.

Call (352) 331-3336

- **Standard Double Rooms** are available at a rate of **\$95.00 per night plus tax**. All standard rooms have two double beds, microwave and mini-fridge.
- **King Standard Rooms** are available at a rate of **\$95.00 per night plus tax** upon availability. All King Standard Rooms have 1 king size bed and a pullout sofa, a wet bar with a microwave and mini-fridge.
- **Complimentary continental breakfast** will be served in the lobby each morning for all guests.
- **Complimentary high speed wireless internet access** in each guest room.
- **Complimentary Airport Shuttle** - The Best Western Gateway Grand will provide complimentary transportation to and from the Gainesville Regional Airport. Courtesy phones are located near baggage claim in the airport terminal.

Reservations must be made by April 29, 2022 to assure availability and the group rate.



The Florida Ruminant Nutrition Symposium is organized by the Department of Animal Sciences, Institute of Food and Agricultural Sciences, at the University of Florida. The Symposium has received sponsorship from numerous industry leaders. Their contributions were greatly appreciated, and certainly enhanced the program.

- **Adisseo**
- **Ag Processing Inc.**
- **Alltech**
- **Anpario**
- **Arm & Hammer Animal and Food Production**
- **Balchem**
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- **Buffalo-Warren**
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- **Micronutrients**
- **Milk Specialties Global**
- **Pancosma**
- **Quality Liquid Feeds**
- **Suwannee Valley Feeds**
- **Virtus Nutrition**
- **Westway Feed Products LLC**
- **Zinpro Performance Minerals**

If your company is interested in becoming a sponsor of the 2023 Florida Ruminant Nutrition Symposium, please contact:

Dr. José E.P. Santos – Tel: (352) 294-6998 or E-mail: jeptosantos@ufl.edu

Shelby Thomas – Tel: (352) 392-1916 or E-mail: soesterreicher@ufl.edu

REGISTRATION AND SPONSORSHIP FORM

33rd ANNUAL FLORIDA RUMINANT NUTRITION SYMPOSIUM

May 9 to 11, 2022

Name of Company (print): _____
(Exactly as you want it to appear in the Symposium proceedings)

We are pleased to serve as a sponsor of the 33rd Annual Florida Ruminant Nutrition Symposium scheduled May 9 to 11 2022 at the Best Western Gateway Grand hotel in Gainesville, FL. The sponsorship amounts are \$1,800, \$1,500 or \$1,000, with the check payable to 'University of Florida - Ruminant Nutrition Symposium'. For your convenience you can charge the sponsorship fee to your credit card at the following website:

<https://bit.ly/3syld5u>

or directly at

<https://bit.ly/3xBVYp3>

When you pay the sponsorship fee with credit card at the preceding website, you are registering for the Symposium. If you decide to pay the sponsorship fee by check, fill out this form, attach the check and return it to us. Please check your choice of sponsorship below. All sponsorships entitle the sponsor to 1 to 4 complimentary registrations, acknowledgment at the Symposium, company name and contact information in the Symposium proceedings, and distribution of company's promotional materials to conferees. By submitting this form, you are registering for the symposium. **DO NOT REGISTER ON-LINE FOR THE SYMPOSIUM IF YOU SUBMIT THIS FORM WITH PAYMENT.**

- Lunch Sponsor - \$1,800** (4 complimentary registrations)
- Break Sponsor - \$1,500** (2 complimentary registrations)
- Regular Sponsor - \$1,000** (1 complimentary registration)
- Registration - \$180**

Due Date is May 5, 2022:

Please complete this form and return to *Shelby O. Thomas* either by mail (Department of Animal Sciences, 2250 Shealy Drive, University of Florida, Gainesville, FL 32611-0910), Fax (352) 294-2036, or email (soesterreicher@ufl.edu). If you are a sponsor, please submit promotional materials such as pencils, pens, pads, company brochures on products, etc., that will be provided to each registrant. Attendance is estimated at 250 people. To submit promotional materials, send to Rachel Garland at the address above.

Name: _____
(Please Print)

Address: _____

Telephone: _____ Email: _____

Assigned name (s) for registration: _____
(Please Print)

For Sponsors, the contact information provided here will appear in the Symposium proceedings