The Program will begin on Wednesday, May 27 at 08:00 a.m. and will end on Thursday, May 28 at 17:40.

**Meeting Location:** School of Applied Science (FCA)
Room UL-12 and UL-14
Address - R. Pedro Zaccaria, 1300, CEP 13484-350 - Limeira - São Paulo, Brasil

**LOCAL ORGANISING COMMITTEE**
Professor Patricia O. Prada, PhD
(Coordinator of the Ph.D Program in Science of Nutrition, Sport and Metabolism at UNICAMP)
Professor Jose Rodrigo Pauli, PhD
Professor Marciane Milanski, PhD
Students: Natália Mendes, Guilherme Formigari, Vanessa Helena Pereira, Ana Paula Segantine

**FIRST DAY: 05/27/2015 – WEDNESDAY**

8h00-8h10 — Opening Section
Prof. Dr. Álvaro de Oliveira D'Antona, Ph.D – Vice Dean of the School of Applied Science (UNICAMP)
Professor Patricia O Prada, Ph.D – Coordinator of the Ph.D Program in Science of Nutrition, Sport and Metabolism (UNICAMP)

*Session Chairs: Patricia O Prada and Mario Saad*

8h10-8h40 – Lecture - Prof. Dr. Mario J. Saad, MD, Ph.D – FCM/UNICAMP
*Title: New Mechanisms of Action of Oral Antidiabetic Agents*

8h40-9h00 – Lecture - Prof. Dr. Marcio Torsoni FCA/UNICAMP
*Title: Cholinergic anti-inflammatory pathway and maternal obesity in development of metabolic disorders in mice.*

9h00-9h20 – Lecture - Prof. Dr. Adriana Torsoni FCA/UNICAMP
*Title: Nutritional overload during gestation and lactation impairs offspring metabolism in mice.*

9h20-9h50 – International Lecture: Professor Jeff Volek (The Ohio State University)
*Title: Clinical applications of low-carbohydrate diets for managing obesity and diabetes.*

9h50-10h00 – Questions

10h00-10h20 – Coffee Break

**Session Chair: Marcio Torsoni**

10h20-11h00 – Oral Presentations (4 abstracts - 10 MIN each)

10h20-10h30 - Paula Gabriele Fernandes Quaresma *Cdc2-like kinase 2 (CLK2) in the Ventromedial Hypothalamus is Essential to Maintain Energy and Glucose Homeostasis.*

10h30-10h40 - Thaís de Fante *Maternal high-fat diet impairs insulin signaling in newly weaned and adult offspring of mice.*

10h40-10h50 - Tamires Marques Zanotto *Blocking iNOS And Endoplasmic Reticulum Stress Have Synergic Effect on Improving Insulin Resistance.*

10h50-11h00 - Brunna Sullara Vilela *Comparison of HOMA-AD and HOMA-IR indexes in identifying cardiometabolic risk markers in men - Brazilian Metabolic Syndrome Study (BRAMS).*

11h00-11h10 – Questions
11h10-11h40 – International Lecture: **Professor Franco Folli** (Texas University)  
*Title: Fat and Bone-derived hormones and the progression to obesity and type 2 diabetes in humans.*

11h40-11h50 – **Questions**

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**Session Chair: Hosana Rodrigues**

14h00-14h30 - Lecture - Prof. Dr. Licio A. Velloso, MD, Ph.D – FCM/UNICAMP  
*Title: Dietary fats and the regulation of hypothalamic activity.*

14h30-14h50 - Lecture - Prof. Dr. Marciane Milanski, Ph.D - FCA/UNICAMP  
*Title: Diet induced obesity and hypothalamic autophagy.*

14h50-15h10 - Lecture - Prof. Dr. Patricia O Prada, Ph.D - FCA/UNICAMP  
*Title: New directions in understanding the central regulation of food intake.*

15h10-15h20 – **Questions**

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**Session Chair: Mario Saad and Franco Folli**

15h30-15h50 - Oral Presentations (2 abstracts - 10 MIN each)  
15h30-15h40 – Mariana Portovedo de O. Araújo *Modulation of Chaperone Mediated Autophagy in Hypothalamus of mice fed high-fat diet.*  
15h40-15h50 – Ana Paula Segantine Dornellas *Altered association of behavioral and metabolic parameters by ovariecotmy and high-fat feeding.*

15h50-16h00 – **Questions**

16h00-16h30 - International Lecture: **Professor Richard Bruno** (The Ohio State University)  
*Title: Hepatoprotective mechanisms of green tea during NASH.*

16h30-16h50 - Lecture - Prof. Dr. Caroline Capitani, Ph.D - FCA/UNICAMP  
*Title: Effect of cooking on the antioxidant properties of vegetables.*

16h50-17h10 – Lecture - Prof. Dr. Rosângela Bezerra, Ph.D - FCA/UNICAMP  
*Title: Pomegranate and its functional properties.*

17h10-17h20 – **Questions**

17h20– **Closure remarks**

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**SECOND DAY 05/28/2015 – THURSDAY**

**Session Chair: Patricia O Prada and Rodrigo Pauli**

8h00-8h20 – Lecture – Dr Patricia Campos-Ferraz, Ph.D – USP, Sao Paulo  
*Title: Low-carbohydrate diets and crossfit training program: positive or negative effects?*

8h20-8h50 - International Lecture: **Professor Jeff Volek** (The Ohio State University)  
*Title: Fat as a fuel for endurance athletes, low-carbohydrate diets for athletes: what evidence?*

8h50-9h10 - Lecture – Prof. Dr. Rodrigo Pauli, Ph.D - FCA/UNICAMP  
*Title: The role of physical exercise on the regulation of Rock1 protein and glucose homeostasis.*

9h10-9h30 - Lecture – Prof. Dr. Eduardo Ropelle, Ph.D - FCA/UNICAMP  
*Title: Hypothalamic insulin and leptin resistance: The role of exercise.*

9h30-9h40 – **Questions**

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<th>9h40-10h00 - <strong>Coffee Break</strong></th>
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Session Chair: Patricia Campos-Ferraz, Rodrigo Pauli and Franco Folli

10h00-10h50 Oral Presentations (5 abstracts - 10 MIN each)

10h00-10h10 - Mônica Cristina Lopes do Carmo    Improving physical performance and oxidative stress reduction in rats supplemented with Punica granatum.

10h10-10h20 - Taisa Belli    Muscle damage and performance during 35-km adventure race.

10h20-10h30 - Pedro Paulo Menezes Scariot    Chronic exercise prevents the age-dependent decline of spontaneous physical activity of Wistar rats.

10h30-10h40 - Wladimir Rafael Beck    Serum metabolic responses owing exhaustive aerobic exercise performed during the wakefulness period after exogenous melatonin administration.

10h40-10h50 - Rodolfo Marinho. Exercise prevents apoptosis in hypothalamic neurons in obese mice.

10h50-11h10 – Questions

11h10-11h30 – Lecture – Prof. Dr. Fernando Simabuco Ph.D - FCA/UNICAMP
Title: Molecular characterization of S6Ks in obesity and its associated disease.

11h30-11h40 – Questions

12h00-14h00 – Lunch and Poster Visitation

Session Chair: Fernando Simabuco

14h00-14h20 – Oral Presentations (5 abstracts - 10 MIN each)

14h00-14h10 - Rafael Ludemann Camargo    Taurine supplementation preserves hypothalamic leptin action in normal and protein-restricted mice fed on high-fat diet.

14h10-14h20 – Mariana Rosolen Tavares    Modulation of S6Ks expression in the central nervous system and their effects on obesity.

14h20-14h30 - Alexandre Moura Assis    Unsaturated Fatty Acids in the Modulation of Inflammatory Phenomenon and Endoplasmatic Reticulum Stress in the Aorta of Obese and Diabetic Animals: Role of GPR120 Receptor.

14h30-14h40 - Mirian Ayumi Kurauti    Interleukin-6 (IL-6) increases the expression of the insulin degrading enzyme (IDE) during the acute exercise.

14h40-14h50 - Bruna de Melo.    Inflammatory mechanisms by which the sustained isometric contraction induces hyperalgesia in rats.

14h50-15h10 – Questions

15h10-15h30 - Coffee Break

Session Chair: Franco Folli

15h30-15h50 – Lecture - Prof. Dr. Augusto Ducati Luchessi, Ph.D - FCA/UNICAMP
Title: Alternative start codon connects eIF5A to mitochondria.

15h50-16h10 - Lecture - Prof. Dr. Hosana Rodrigues, Ph.D - FCA/UNICAMP
Title: Fatty acids in the regency of skin regeneration.

16h10-16h40 – International Lecture: Professor Richard Bruno (The Ohio State University)
Title: Postprandial hyperglycemia-induced vascular endothelial dysfunction.

16h40-16h50 – Questions

16h50h – Closure remarks

Prof. Dr. Peter Alexander Bleinroth Schulz, Ph.D – Dean of the School of Applied Science (UNICAMP)
Professor Patricia O Prada, Ph.D – Coordinator of the Ph.D Program in Science of Nutrition, Sport and Metabolism (UNICAMP)