



## Clinical Seminar

# Nutrition for Preterm Infants: Where are we now and what is the future?

 Auditorium CIM-FMUP - Centro de Investigação Médica da Faculdade de Medicina da Universidade do Porto, Porto, Portugal  
Date: 16 – 18 May 2024

## Objectives

IPOKRATES seminars provide high quality postgraduate education which enables professionals to keep abreast of the most recent developments and offer participants the opportunity to discuss clinical problems or scientific issues personally with international experts.

This program will focus on:

1. Discuss current controversies related to nutrition of the neonate such as donor milk use, parenteral nutrition strategies, enteral nutrition composition and advancement, microbial therapeutics and optimization of breast feeding.
2. Appraise recent research related to optimization of nutrition for preterm infants.
3. Discuss implementation strategies for scientifically based nutritional guidelines.
4. Summarize recent advances in technology for evaluation of intestinal function.
5. Generate novel research roadmaps for early recognition and prevention of adverse outcomes such as "Necrotizing Enterocolitis", "Bronchopulmonary Dysplasia", Retinopathy of Prematurity, Late Onset Sepsis and Growth Failure in preterm infants using artificial intelligence/machine learning and multiomic integration.

## Lecturers

Camilia Martin	Weill Cornell Medicine College, New York, USA
Josef Neu	University of Florida, College of Medicine, Gainesville FL, USA
Deborah O'Connor	University of Toronto, Toronto, Ontario, Canada
Guilherme Sant'Anna	McGill University Health Centre, Montreal, Quebec, Canada

## Information

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## Participation Fees

Costs for overnight accommodation and meals are not included

### Single person

before April 4, 2024 € 400,-

after April 4, 2024 € 450,-

### Member of Portuguese Neonatal Society

before April 4, 2024 € 400,-

after April 4, 2024 € 400,-

The Number of Participants is limited to 60

### Please Note:

Only registered participants, NO on site registration! Please register via Internet:

 [www.ipokrates.info](http://www.ipokrates.info)

## Host

Dra. Rita Magalhães Moita

IPOKRATES Porto group – Faculty of Medicine of Porto University Division of Neonatology – Centro Hospitalar Universitário São João Porto, Portugal

 [ritamagalhaesmoita@gmail.com](mailto:ritamagalhaesmoita@gmail.com)

## Program Design

Josef Neu, Gainesville FL; USA

## Target Audience

Neonatologists, physicians and nurses caring for critically ill neonates and individuals involved in scientific research related to neonatal nutrition.

## Major Sponsor

Dräger

Nestlé Nutrition Institute







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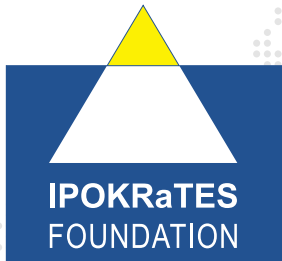
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### Program

Thursday, May 16, 2024

- |       |  |
|-------|--|
| 08:30 | Introduction to program<br><i>Josef Neu, Henrique Soares, others</i>   |
| 08:45 | The Brain, Gut and Lung Axis: Clinical implications<br><i>Josef Neu</i>  |
| 09:45 | Intestinal morbidities and injury – a mismatch of developmental and expected competencies<br><i>Camilia Martin</i>   |
| 10:45 | Break  |
| 11:15 | The association between fluids & nutrition during NICU stay and BPD<br><i>Guilherme Sant'Anna</i>  |
| 12:15 | Lunch  |
| 13:30 | Donor Milk: From bench to bedside and back again: Improving health outcomes of hospitalized infants through mother's milk, supplemental donor milk and lactoengineering<br><i>Deborah O'Connor</i> |
| 14:30 | The evidence-based timeline informing current practices in parenteral protein delivery<br><i>Camilia Martin</i>  |
| 15:30 | Break  |
| 16:00 | Precision nutrition for preterms using artificial intelligence: Is it possible?<br><i>Josef Neu</i>  |
| 17:00 | Panel Discussion   |



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### Program

#### Friday, May 17, 2024

- 08:30** Feeding practices and lung aspiration: What do we know?  
*Guilherme Sant'Anna*
- 09:30** The nutritional basis for recoverable function during and after the NICU period  
*Camilia Martin*
- 10:30** Break
- 11:00** Human milk nutrient fortification – Gaps and opportunities to impact the health and development of the high-risk infant  
*Deborah O'Connor*
- 12:00** Lunch
- 13:00** Continuous GI function monitoring in neonates: Is it possible?  
*Guilherme Sant'Anna*
- 14:00** „NEC”: Past, present and future  
*Josef Neu*
- 15:00** Break
- 15:30** Mother's Milk intake by Very Low Birth Weight Infants and its association with epigenetic variations that may influence neurodevelopment  
*Deborah O'Connor*
- 16:30** Round Table discussion, questions, and answers

### Program

#### Saturday, May 18, 2024

- 08:30** Fatty acids in development, injury, and recovery - which ones, when, and why?  
*Camilia Martin*
- 09:30** Ten dogmas in neonatal nutrition and GI: How to change?  
*Josef Neu*
- 10:30** Break
- 11:00** Participant interaction with faculty Discussions of current nutritional guidelines: What is science and nonsense?