



National and  
Kapodistrian  
University of Athens  
3<sup>rd</sup> Department of Pediatrics

EST. 1837



PREIS  
SCHOOL

International and European School of Perinatal,  
Neonatal and Reproductive Medicine

11<sup>th</sup>

## Maria Delivoria-Papadopoulou Perinatal Symposium

### Organizers:

**Chair:** Prof. A. Malamitsi-  
Puchner, Greece  
Prof. G. C. Di Renzo, Italy  
Prof. V. Papaevangelou,  
Greece  
Prof. D. D. Briana, Greece

### Sponsoring Institutions:

3<sup>rd</sup> Department of Pediatrics,  
National and Kapodistrian  
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#### Organizing Secretariat:

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*“The microbiome in  
pregnancy and at the  
beginning of life”*



Terracotta figurine  
depicting childbirth  
600-475 BC  
Cypro-Archaic Period  
Cyprus Museum

Saturday, March 9<sup>th</sup> 2024

from 9.00 to 17.00 CENTRAL EUROPEAN TIME

Virtual Symposium

# SCIENTIFIC PROGRAMME

# 11<sup>th</sup>

## Maria Delivoria-Papadopoulos Perinatal Symposium

# “THE MICROBIOME IN PREGNANCY AND AT THE BEGINNING OF LIFE”

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The “Maria Delivoria-Papadopoulos Perinatal Symposia” are devoted to the “*Trailblazer in Perinatology*” and “*Mother of Neonatology*”, the homonymous Greek-American legendary Professor and unique human being: the clinician, teacher and researcher who first worldwide applied mechanical respiratory support to premature neonates, generously mentored countless young doctors and gained numerous awards for her pioneering work in peri-and-neonatal physiology, primarily of fetal hemoglobin and brain function.

The Symposia are always free of charge and last one day.

They address each time extensively only one theme, adhering to the exact definition of a “*scientific Symposium*”. They started live in 2010 in Athens and continued virtually after the COVID-19 pandemic.

Thus, a great number of participants across the world are now able to follow the virtual presentations by prominent international scientists and take part at the end in the interactive panel discussions on very important topics.

The topics discussed in the previous Symposia were: “*Perinatal Asphyxia*”, “*Cesarean Section: Impact on Mother and Child*”, “*Intrauterine Growth Restriction and Fetal Programming*”, “*Diabetes in Pregnancy and Fetal Macrosomia*”, “*Chorioamnionitis: Impact on Mother and Child*”, “*Multiple Pregnancy*”, “*Preterm Birth*”, “*Perinatal Nutrition and DOHaD Consequences*”, “*Perinatal COVID-19: The Aftermath*”, “*Advanced Maternal Age and Childbearing*”.

The 11th Maria Delivoria-Papadopoulos Perinatal Symposium will address the issue “*The microbiome in pregnancy and at the beginning of life*” and we are very happy to welcome you.

We would also like to express our thanks to the sponsors, without whose contribution the event would not have been possible, as well as to the agency that undertook the secretarial support of the Symposium.

Finally, to all of you who will watch it, hoping that you will gain new, useful knowledge.

*The Organizers*

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## PROGRAMME

9.00 - 9.10

**Openings:** *Ariadne Malamitsi-Puchner, Gian Carlo Di Renzo, Despina Briana*

**1st Session - Chairpersons: Ariadne Malamitsi-Puchner (GR), Gian Carlo Di Renzo (IT)**

9.10 - 9.35

**Immunisation in pregnancy and the microbiome**  
*Ramkumar Menon (Galveston, USA)*

9.35 - 9.40

**Q&A**

9.40 - 10.05

**Prebiotics, probiotics and postbiotics: which strategies?**  
*Francesco De Seta (Trieste, Italy)*

10.05 - 10.10

**Q&A**

10.10 - 10.35

**Prenatal nutrition and microbiome at birth**  
*Marta Selma-Royo (Valencia, Spain), Maria Carmen Collado (Valencia, Spain and Turku Finland)*

10.35 - 10.40

**Q&A**

10.40 - 11.05

**The mechanisms of transfer of microbiome from mother to newborn**  
*Joanna Dawn Holbrook (Southampton, UK)*

11.05 - 11.10

**Q&A**

11.10 - 11.35

**Antibiotics at the beginning of life: less is more**  
*Martin Stocker (Luzern, Switzerland)*

11.35 - 11.40

**Q&A**

11.40 - 12.05

**Stress and the Maternal - Neonatal Gut-Microbiome-Brain axis**  
*Jodi L. Pawluski (Rennes, France)*

12.05 - 12.10

**Q&A**

12.10 - 12.30

**Panel Discussion**

12.30 - 13.00

**Break**

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### 2nd Session - Chairpersons: George Daskalakis (GR), Despina Briana (GR)

13.00 - 13.25

**Preterm birth, antibiotics and the microbiome**

*Roberto Romero (Washington DC, USA)*

13.25 - 13.30

**Q&A**

13.30 - 13.55

**Breast milk microbiota and bioactives in preterm infant health**

*Andrea Masi (Newcastle, UK), Christopher J. Stewart (Newcastle, UK)*

13.55 - 14.00

**Q&A**

14.00 - 14.25

**The interplay between metabolites and microbes in the perinatal period**

*Vassilios Fanos (Cagliari, Italy)*

14.25 - 14.30

**Q&A**

14.30 - 14.55

**Bacterial and nonbacterial microbiome in the pathogenesis of necrotizing enterocolitis**

*Josef Neu (Gainesville, USA)*

14.55 - 15.00

**Q&A**

15.00 - 15.25

**Prebiotics and probiotics in preterm newborns: facts and fictions**

*Maria Elisabetta Baldassarre (Bari, Italy)*

15.25 - 15.30

**Q&A**

15.30 - 15.55

**Early microbiome and infantile respiratory infections:**

**The novel notion of innate immune training**

*Debby Bogaert (Utrecht, NL and Edinburgh, UK)*

15.55 - 16.00

**Q&A**

16.00 - 16.25

**Prescribed drug use (with attention to antibiotics) during pregnancy and the effect on the microbiome and the health of the offspring**

*Nele Brusselselaers (Stockholm, Sweden and Ghent, Belgium)*

16.25 - 16.30

**Q&A**

16.30 - 17.00

**Panel discussion**

17.00

**End of the Symposium**

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## FACULTY

**Maria Elisabetta Baldassarre** (*Bari, Italy*)

**Debby Bogaert** (*Utrecht, NL and Edinburgh, UK*)

**Despina D. Briana** (*Athens, Greece*)

**Nele Brusselaers** (*Stockholm, Sweden and Ghent, Belgium*)

**Maria Carmen Collado** (*Valencia, Spain and Turku Finland*)

**George Daskalakis** (*Athens, Greece*)

**Francesco De Seta** (*Trieste, Italy*)

**Gian Carlo Di Renzo** (*Perugia, Italy*)

**Vassilios Fanos** (*Cagliari, Italy*)

**Joanna Dawn Holbrook** (*Southampton, UK*)

**Ariadne Malamitsi-Puchner** (*Athens, Greece*)

**Andrea Masi** (*Newcastle, UK*)

**Ramkumar Menon** (*Galveston, USA*)

**Josef Neu** (*Gainesville, USA*)

**Jodi L. Pawluski** (*Rennes, France*)

**Roberto Romero** (*Washington DC, USA*)

**Marta Selma-Royo** (*Valencia, Spain*)

**Christopher J. Stewart** (*Newcastle, UK*)

**Martin Stocker** (*Luzern, Switzerland*)

**Thank you**

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