



UNDER THE AUSPICES
OF ITALIAN SOCIETY OF NEONATOLOGY

XV IO PHD INTERNATIONAL RESEARCH PROGRAM ANNUAL REPORT

**XV INTERNATIONAL WORKSHOP
ADVANCES IN PERINATAL MEDICINE: MEET THE EXPERT**

CHIETI

**JUNE, 9TH - 10TH
2025**

DIRECTOR OF THE WORKSHOP

Diego Gazzolo Chieti University, Chieti, Italy
Coordinator, IO PhD International Research Program

IO PHD FOUNDERS

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Frank van Bel (Utrecht, The Netherlands)
Danilo AW Gavilanes (Maastricht, The Netherlands)
Gerard HA Visser (Utrecht, The Netherlands)
Hans HJ Vles (Maastricht, The Netherlands)
Luc J Zimmermann (Maastricht, The Netherlands)

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Rino Agostiniani (Pistoia, Italy)
Valentina Bellissima (S. Donà del Piave, Italy)
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Alessandro Varrica (Milan, Italy)
Gerard HA Visser (Utrecht, The Netherlands)
Hans HJ Vles (Maastricht, The Netherlands)
Luc J Zimmermann (Maastricht, The Netherlands)

PURPOSE OF THE WORKSHOP

The purpose of the International Workshop **ADVANCES IN PERINATAL MEDICINE: MEET THE EXPERT (APMME)** of the XV IO PhD International Research Program Annual Report is to bring together scientists and clinicians from different communities to discuss a broad range of scientific issues related to the latest advances in the field of fetal and neonatal medicine. Topics of the APMME will include: endocrine disruptors, fetal-neonatal outcomes, experimental perinatal medicine, placental physiopathology, fetal-neonatal medicine, experimental neonatology, clinical obstetrics and clinical neonatology. Recent advances in the above-mentioned disciplines will be discussed within “experts” providing data from clinical and experimental medicine and basic science. Particular attention will be dedicated to research programs developed by young scientists and clinicians. The meeting will be organized in different scientific sessions including clinical, experimental and basic science, perinatal and pediatric medicine topics. The APMME will also include a round table discussing the validity of research data to be proposed for publication on international peer reviewed journals. For this purpose the APMME invited international experts such as Editors in Chief of top ranking journals of the disciplines object of the meeting and Cochrane international advisor.

2.30 p.m.

Opening Cerimony

Address (online) by the organizing chair

Massimo Agosti - President of the Italian Society of Neonatology

Rino Agostiniani - President of the Italian Society of Pediatrics

Luigi Orfeo - Past-President of the Italian Society of Neonatology

Liborio Stuppia - Rector of Chieti University

Annemie Schols - Dean of Maastricht University

Helen Mertens - CEO of Maastricht Medical Center

Francesco Chiarelli - Head of Pediatric Department, Chieti University

IO PhD Annual Report & IO PhD 2025 call

Presentations held (online) by

Danilo AW Gavilanes - Maastricht University

Diego Gazzolo - Chieti University

David Linden - School for Mental Health and

Neuroscience - Maastricht

Manon van Engeland - School for Oncology & Developmental
Biology - Maastricht

SPECIAL LECTURES

Chairman: Paolo Giliberti (Naples, Italy)

Claudio Fabris (Turin, Italy)

4.00 p.m.

Luc IJ Zimmermann (Maastricht, The Netherlands)

RSV in Europe: new insight

4.30 p.m.

Frank van Bel (Utrecht, The Netherlands)

Prematurity and Stem Cells: what's New?

5.00 p.m.

ROUND TABLE - EDITOR IN CHIEF: FRIEND OR FOE?

Mario Plebani (Padua, Italy)

Editor in Chief of Clinical Chemistry and Laboratory Medicine

Giuseppe Rizzo (Rome, Italy)

Editor in Chief of the Journal of Maternal,
Fetal and Neonatal Medicine

Giovanni Corsello (Palermo, Italy)

Editor in Chief of the Italian Journal of Pediatrics

6.00 p.m.

Closing Remarks

PROGRAM
JUNE 10TH

HOT TOPICS IN PERINATOLOGY - PART I

The “Old PhDs”

Chairman: Gerard HA Visser (Utrecht, The Netherlands),
Danilo AW Gavilanes (Maastricht, The Netherlands)

- 9.00 a.m. **Andrea Sannia** (Cuneo, Italy)
Non-invasive respiratory approach
- 9.15 a.m. **Alessandro Borghesi** (Pavia, Italy)
Life-threatening infections in human newborns:
Reconciling age-specific vulnerability and interindividual
variability
- 9.30 a.m. **Francesco Riso** (Brescia, Italy)
Risk management in perinatal medicine
- 9.45 a.m. **Valentina Bozzetti** (Boston, USA)
PhD: starting or endpoint?
- 10.00 a.m. **Chiara Peila** (Turin, Italy)
Donor human milk: update and recommendations
- 10.15 a.m. **Vincenzo Salvo** (Ragusa, Italy)
New respiratory strategies and perinatal asphyxia
- 10.30 a.m. **Laura Serpero** (Alessandria, Italy)
S100B protein in perinatal medicine: what's new
- 10.45 a.m. **Alessandro Varrica** (Milan, Italy)
Congenital Heart Diseases and open heart surgery:
an up to date
- 11.00 a.m. **Raul Felipe Abella** (Barcellona, Spain),
Congenital heart diseases and perinatal neuromarkers
- 11.15 a.m. **Gianluca Lista** (Milan, Italy),
Lung volume optimization: how to do it?
- 11.30 a.m. Discussion

HOT TOPICS IN PERINATOLOGY - PART II

Research Projects Labelled at School for Oncology & Developmental Biology (GROW)

Chairman: Frank van Bel (Utrecht, The Netherlands),
Giovanni Corsello (Palermo, Italy)

- 11.45 a.m. **Ilia Bresesti** (Varese, Italy)
Respiratory Monitoring and Optimization of Fetal-Neonatal Transition in High-Risk Infants
- 12.00 a.m. **Caterina Di Battista** (Chieti, Italy)
NIRS in High-Risk Infants
- 12.15 a.m. **Gabriella Levantini** (Chieti, Italy)
Biomarkers Assessment in Maternal Blood of Fetal-Neonatal Redistribution in High-Risk Pregnancies
- 12.30 a.m. **Giuseppe Lapergola** (Chieti, Italy)
Hemodynamic Biomarkers of Perinatal Hypoxia in Congenital and non-Congenital Heart Diseases Infants
- 12.45 a.m. **Elena Maggiora** (Turin Italy)
Lung Recruitment and Ultrasound Monitoring
- 1.00 p.m. **Adele Fabiano** (Rome, Italy)
Biomarkers of BPD in human and experimental model
- 1.15 p.m. Discussion
- 1.30 p.m. Light lunch

HOT TOPICS IN PERINATOLOGY - PART III

Research Projects Labelled at School for Mental Health and Neuroscience (MHeNS)

Chairman: Raul Abella (Barcellona, Spain),
Fabio Mosca (Milan, Italy)

- 2.30 p.m. **Laura Abella** (Barcelona, Spain)
Biomarkers Assessment in Maternal Blood of Fetal-Neonatal Brain Hypoxia in High Risk Pregnancies
- 2.45 p.m. **Valentina Bellissima** (S. Donà, Italy)
Antenatal Antidepressant Drugs and Brain biochemical Monitoring
- 3.00 p.m. **Iliana Bersani** (Rome, Italy)
Non-invasive Biochemical Monitoring and Perinatal Asphyxia
- 3.15 p.m. **Ebe D'Adamo** (Chieti, Italy)
Presepsin assessment in biological fluids: an immune-inflammatory early biomarker of perinatal sepsis?
- 3.30 p.m. **Alessandro Graziosi** (Rome, Italy)
Biochemical Biomarkers and Oxygen Status of Central Nervous System Damage in High Risk Infants
- 3.45 p.m. **Maria Chiara Strozzi** (Asti, Italy)
High Fidelity Simulation and Neuro-Psychological Tests in Perinatal Multidisciplinary Team
- 4.00 p.m. **Benedetta Marinelli** (Pescara, Italy)
Cerebro-splanchnic Circulation and Osteopathic Manipulation Treatment
- 4.15 p.m. **Simonetta Picone** (Rome, Italy)
Lutein: an antioxidant or a neurotrophic factor?

- 4.30 p.m. **Alice Grometto** (Pavia, Italy)
Cerebro-splancnic NIRS Patterns and CNS Development
in High-Risk Infants
- 4.45 p.m. **Giorgia Gasparroni** (Chieti, Italy)
Biochemical Markers of Perinatal Cerebral Hemorrhage
- 5.00 p.m. **Angela Satriano** (Milan, Italy)
Vasoactive Agents, Oxidative Stress Markers and Neurotran-
smitters Monitoring in Congenital Heart Diseases in Children
- 5.15 p.m. **Andrea Manzotti**
Osteopatic treatment and brain clinical and biochemical
monitoring
- 5.30 p.m. Discussion
- 5.45 p.m. Closing Remarks

ECM test online on formazione.pentaeventi.com

INFORMAZIONI GENERALI

EVENTO RESIDENZIALE | 9-10 GIUGNO 2025

Auditorium del Rettorato dell'Università di Chieti,
via dei Vestini 31, Chieti

ISCRIZIONE

Riservata e gratuita per i primi 100 iscritti

Per formalizzare l'iscrizione è indispensabile creare un account personale nell'area riservata del sito **formazione.pentaeventi.com** **prima** dell'inizio dell'evento.

N.B. L'evento si svolgerà solo in modalità residenziale, pertanto la piattaforma costituisce esclusivamente il mezzo per iscriversi ed effettuare i test ECM se avente diritto.

L'ISCRIZIONE INCLUDE:

- Partecipazione alle Sessioni scientifiche
- Kit congressuale
- Attestato di partecipazione
- Attestato ECM agli aventi diritto

INFORMAZIONI ECM

N° EVENTO: 450140

N° CREDITI ECM: 9

OBIETTIVO FORMATIVO: 2

CATEGORIE

- Medico Chirurgo
- Infermiere
- Infermiere Pediatrico

DISCIPLINE

- Neonatologia
- Pediatria
- Pediatria (pediatri di libera scelta)

ATTESTATO ECM

Il rilascio dei crediti ECM è subordinato a:

- Partecipazione all'attività formativa (almeno il 90% delle ore previste)
- Compilazione del questionario riguardante la Qualità Percepita
- Superamento del test di apprendimento (almeno il 75% di risposte corrette)

Il discente potrà effettuare il test ECM entro le 72 ore successive al termine dell'evento; per il superamento della prova avrà un solo tentativo a disposizione.

Si ricorda che il limite massimo dei crediti formativi ricondotti al triennio di riferimento acquisibili mediante reclutamento diretto è di 1/3.

ATTESTATO DI PARTECIPAZIONE

Tutti i partecipanti regolarmente iscritti hanno diritto all'attestato di partecipazione.



ORGANIZING SECRETARIAT AND PROVIDER N° 3875

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