

# IPOKRATES

## Clinical Seminar

Foundation



### Protecting brain and lungs: Precision medicine in PICU and NICU

Paris, France  
June 10 - 12, 2021

#### Objectives

IPOKRATES seminars provide high quality postgraduate education, which enable 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 seminar is designed to provide participants with a state-of-the-art, comprehensive, and interdisciplinary approach to neurological and respiratory disease in critical neonates and children. Participants will learn about mechanisms- and etiology-driven management and new therapies in order to implement precision-medicine approaches in the Pediatric and Neonatal Intensive Care Units. Lectures will focus on mechanisms of injury, multimodal monitoring in neonates and children at risk of lung and brain damage, neuroprotection, lung protection, and new treatment approaches and will be given ample chance to directly discuss with the international experts.

#### Lecturers

M. Roberta Cilio	Professor of Pediatric Neurology, University of Louvain, Pediatric and Neonatal Neurologist and Neurophysiologist, Cliniques Universitaires Saint-Luc, Brussels, Belgium
Daniele De Luca	Associate Professor of Neonatology, Chief of the Division of Pediatrics and Neonatal Critical Care, South Paris University Hospitals - Unité de Physiopathologie et Innovation Thérapeutique – INSERM U999, Université Paris Sud Saclay, Paris, France; President - Elect of the European Society for Pediatric and Neonatal Intensive Care (ESPNIC)
Frank van Bel	Professor of Neonatology, University Medical Center Utrecht, The Netherlands
Olivier Danhaive	Professor of Neonatology, Catholic University of Louvain, Chief of the Neonatal Intensive Care Unit, Cliniques Universitaires Saint-Luc, Brussels, Belgium
Barbara Schmidt	Pediatrics and Senior Scholar in the Center for Clinical Epidemiology and Biostatistics at the University of Pennsylvania School of Medicine, USA
Nicola Specchio	Director of Rare and Complex Epilepsies Center, Bambino Gesù Children's Hospital and Research Institute, Rome, Italy
Rima Nababout	Professor of Pediatric Neurology, Director of the Rare Epilepsies Center of Reference, Paris, France
Peter Rimensberger	Professor of Pediatric and Neonatal Critical Care, Chief of the Division of Pediatric and Neonatal Critical Care, University of Geneva, Switzerland (former ESPNIC President)
Karl Schettler	Director of Pediatric and Neonatal Neuro-critical Care Program, Neonatology and Pediatric Intensive Care, Kinderkrankenhaus St. Marien gGmbH, Landshut, Germany
Robert Tasker	Professor of Pediatric Anesthesia and Neuro-critical Care, Harvard Children Hospital, Boston, MA, USA
Virgilio Carnielli	Università Politecnica delle Marche, Università degli Studi di Ancona, Italy

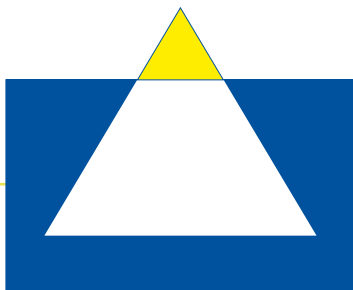
Limited Number of Participants: 100  
Please Note: Only registered participants, NO on site registration!  
Please register via internet: <https://www.ipokrates.info>

**Program Design** M.R. Cilio, Belgium and D. De Luca, France

**Target Groups** Doctors, nurses and affiliates of university and non-university hospitals in the field of neonatal and pediatric intensive care, intensive care, pediatric and neonatal neurology and pulmonology, pediatric anesthesiology and neuro- and respiratory physiology

**Major Sponsors** Dräger, Elsevier, Nestlé Nutrition Institute

**Local Sponsors** TBA



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**Local Organizer** **Prof. Daniele DE LUCA (MD, PhD)**  
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**Information/Registration** **IPOKRATES Head Office c/o m:con – mannheim:congress GmbH**  
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## Registration Fees

	<b>before April 15, 2021</b>	<b>after April 15, 2021</b>
<b>Single Person</b>	450,- €	480,- €

## THURSDAY, June 10, 2021

08.00-08.30	Introduction	D. De Luca & M. R. Cilio
08.30-09.30	Mechanisms of parenchymal lung injury in neonates	V. Carnielli
09.30-10.30	Mechanisms of parenchymal lung injury in children	P. Rimensberger
10.30-11.00	Coffee break	
11.00-11.45	Mechanisms of vascular lung disorders	O. Danhaive
12.00-12.45	Mechanisms of brain injury in neonates	F. van Bel
13.00-14.00	Lunch	
14.00-15.00	Mechanisms of brain injury in critically ill children	R. Tasker
15.00-16.00	Cerebral monitoring in neonatal and pediatric critical care	K. Schettler
16.00-16.15	Coffee break	
16.15-17.15	Seizures and status epilepticus in the NICU	M.R. Cilio
17.15-18.15	Brain on FIRES: Refractory and super-refractory status epilepticus in the PICU	R. Nabbout

## FRIDAY, June 11, 2021

08.30-09.15	Precision medicine approach to neonatal and pediatric ARDS	D. De Luca
09:30-10:15	Point-of-care lung ultrasound to personalize respiratory care	D. De Luca
10.30-11.00	Coffee break	
11.00-12.00	Monitoring during mechanical ventilation in neonates and children	P. Rimensberger
12.00-13.00	Precision medicine treatment for neurodegenerative pediatric diseases: The future is now	N. Specchio
13.00-14.00	Lunch	
14:00-15:00	Strategies for neonatal neuro-protection	F.van Bel
15:00-16:00	Strategies for pediatric neuro-protection	R. Tasker
16:00-16:15	Coffee break	
16:15-17:15	Personalized treatment of seizures in the neonate	M.R. Cilio
17.15-18.15	Personalized approach to children with traumatic brain injury	R. Tasker

## SATURDAY, June 12, 2021

08.30-09.30	Physiology-guided ventilation in neonates and children	P. Rimensberger
09.30-10.30	Biology – guided surfactant therapy in neonates and children	D. De Luca
10.30-11:00	Coffee break	
11.00-12.00	Effect of cerebral stimulants of breathing physiology	B. Schmidt
12.00-13.00	Effect of whole-body hypothermia on the lung	D. De Luca
13.00-13.30	Open discussion and conclusions	

**Subject to change.**