

## **EBN Neurology Course**

### **Neuromonitoring, neuroimaging and neuroprotective strategies in critically ill newborns**

- 8:55-9:00 **Welcome and Registration**  
**Sandra Horsch**
- 9:00-9:35 **Neuroimaging and prediction of outcome in infants with neonatal encephalopathy**  
**Jeroen Dudink**
- 9:35-10:10 **NIRS/ Optical imaging in the NICU - who, when, why and how? -**  
**Topun Austin**
- 10:10-10:45 **EEG/aEEG Monitoring in the NICU - who, when, why and how?**  
**Roberta Cilio**
- 10:45-11:00 Coffee break
- 11:00- 11:30 **Neonatal stroke - Neuroimaging, outcome and new therapeutic strategies**  
**Niek van der Aa**
- 11:30- 12:00 **Neuromonitoring and -imaging in infants with critical congenital heart disease**  
**Nathalie Claessens**
- 12:00-13:00 Lunch break
- 13:00-13:45 **Cranial ultrasound diagnosis of the preterm brain injury with state of the art CUS devices - what is possible today?**  
**Paul Govaert**
- 13:45-14:15 **IVH grading systems and prediction of outcome - does low grade IVH matter?**  
**Sandra Horsch**
- 14:15-14:35 Coffee break
- 14:35-15:15 **MRI of the preterm brain - what we have learned and what it still needs to be explored**  
**Terrie Inder**
- 15:15-15:40 **Neuroprotective strategies in pre-clinical trials**  
**Pierre Gressens**
- 15:40- 16:10 **Neuroprotective strategies in clinical trials**  
**Manon Benders**

16:10-16:20 **Closing remarks**

## **List of Speakers**

### **Topun Austin, Professor, MD**

Consultant Neonatologist, Cambridge University Hospitals, UK.  
Honorary Professor of Neurophotonics, University College London, UK.

### **Manon Benders, Professor, MD**

Head of Department of Neonatology,  
UMCU-Wilhelmina Children's Hospital, Utrecht, The Netherlands.

### **Nathalie Claessens, PhD, MD**

Department of Neonatology,  
UMCU-Wilhelmina Children's Hospital, Utrecht, The Netherlands.

### **Roberta Cilio , Professor, MD**

Pediatric Neurologist and Epilepsy Specialist  
Department of Neurology  
UCSF Benioff Children's Hospital, San Francisco, USA

### **Jeroen Dudink, PhD, MD**

Consultant Neonatologist,  
UMCU-Wilhelmina Children's Hospital, Utrecht, The Netherlands.

### **Paul Govaert, PhD, MD**

Consultant Neonatologist,  
Department of Neonatology, Erasmus Medical Center University, Sophia Children's Hospital, Rotterdam, The Netherlands.  
Department of Neonatology, ZNA Middelheim, Antwerp, Belgium.  
Department of Rehabilitation and physical therapy, Gent University Hospital, Gent, Belgium.

### **Pierre Gressens, Professor, MD, PhD**

Head of UMR 1141, INSERM – Paris Diderot University, Paris, France  
Professor of Prenatal and Neonatal Neurology at King's College, London, UK

### **Sandra Horsch, PhD, MD**

Consultant Neonatologist,  
Helios Klinikum Berlin Buch, Berlin, Germany.

### **Terrie E. Inder, Professor, MD**

Mary Ellen Avery Professor of Pediatrics in the Field of Newborn Medicine  
Brigham & Women's Hospital  
Harvard Medical School  
Boston, Massachusetts, USA

### **Niek van der Aa, PhD, MD**

Department of Neonatology,  
UMCU-Wilhelmina Children's Hospital, Utrecht, The Netherlands.