

# EXTREMELY PRETERM BABIES. IMPROVING PERINATAL CARE

## PROGRAM

COSMOCAIXA. C/ ISAAC NEWTON, 26, BARCELONA

**Wednesday, January 16<sup>th</sup>, 2013****8:30 Registration****8:45 Welcome****Josep Maria Lailla**Hospital Sant Joan de Déu, Barcelona,  
Spain**Xavier Krauel**Hospital Sant Joan de Déu, Barcelona,  
Spain**NEW CLUES FROM EPIDEMIOLOGY TO  
IMPULSE RESEARCH AND CLINICAL CARE****9:00 Why is prematurity increasing in  
western countries? Epidemiological and  
etiologiologi studies****Lluís Cabero**, Hospital Vall d'Hebron,  
Barcelona, Spain**9:30 Trends in the neurological outcome of  
extremely preterm infants: prenatal and  
postnatal key points for improvement****Neil Marlow**, University College London  
Hospitals NHS Foundation Trust, London,  
UK**10:00 Open Debate****Gorm Greisen** (chair), Rigshospitalet,  
Copenhagen, Denmark**11:00 Coffee break****LOOK AT WHAT WE ARE DOING TO DISCERN  
HOW TO MOVE ON****11:30 Prenatal measures to reduce the  
magnitude and the impact of preterm  
birth. Possible adverse risks to the fetus****Eduard Gratacós**, Hospital Clínic and  
Universitat de Barcelona, Barcelona, Spain**12:00 Learning from regional variation in the  
outcome of extremely preterm infants****Stellan Hakansson**, University Hospital  
Umeå, Sweden**12:30 Open Debate****Roberto Romero** (chair), Eunice Kennedy  
Shriver National Institute of Child Health and  
Human Development, Detroit, USA**Christian P. Speer** (chair), University  
Children's Hospital, Würzburg, Germany**13:30 Lunch**

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## SEEKING INTERVENTIONS TO REDUCE THE MORBIDITY AND MORTALITY OF EXTREMELY PRETERM BIRTH

### 15:00 Optimizing fetal and obstetrical care in preterm labor

**Gian Carlo di Renzo**, Università de Perugia,  
Perugia, Italy

### 15:30 How small is too small? The challenge of the first days in the life of the extremely preterm infant

**Naoto Takahashi**, The University of Tokyo,  
Tokyo, Japan

### 16:15 Coffee break

### 16:30 Open Debate

**Liliana Voto** (chair), Fundación Miguel  
Margulies de Estudios Perinatales, Buenos  
Aires, Argentina

**Olivier Claris** (chair), Centre Hospitalier  
Universitaire de Lyon, France

### 17:30 Conclusions of the day

### 18:00 Visit to CosmoCaixa

### 19:30 Dinner

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### PERSONALIZED MEDICINE: METABOLOMICS IN PRETERM BIRTH

#### 8:30 Identification of patients at risk for preterm delivery

**Roberto Romero**, Eunice Kennedy Shriver  
National Institute of Child Health and Human  
Development, Detroit, USA

#### 9:00 A new tool in the management of preterm infants

**Vassilios Fanos**, A.O. Universitaria Clinica  
Pediatria Macciotta, Cagliari, Italy

#### 9:30 Open Debate

**Eduardo Bancalari** (chair), University of  
Miami Leonard M. Miller School of Medicine,  
Miami, Florida, USA

#### 10:30 Coffee break

### DRUG THERAPY AND PERSONALIZED HEALTH CARE IN GESTATION AND NEONATOLOGY

#### 11:00 Precision Medicine: differences in efficacy and adverse drug reactions in preterm infants

**Matthias Schwab**, Dr. Margaret Fischer-  
Bosch-Institute and University Hospital,  
Tübingen, Germany

#### 11:30 Translational bioinformatics: linking knowledge across biological and clinical realms

**Atul J Butte**, School of Medicine, Stanford  
University, Stanford, USA

#### 12:00 Open Debate

**José Luís Bartha** (chair), Hospital  
Universitario La Paz, Madrid, Spain

**Máximo Vento**, University and Polytechnic  
Hospital La Fe, Valencia, Spain

#### 13:00 Lunch

### THREATENED BY INTRAUTERINE AND POSTNATAL INFLAMMATION

#### 15:30 The inflammatory process as a trigger of preterm

**Andrés López Bernal**, University of Bristol,  
Bristol, UK

#### 16:00 The cerebral white matter and connectivity of infant brain: effects of prematurity and inflammation

**Ulrika Adén**, Karolinska Institutet, Stockholm,  
Sweden

#### 16:30 Open Debate

**Alberto Galindo** (chair), Hospital Doce de  
Octubre, Madrid, Spain

**Henrik Hagberg** (chair), Imperial College and  
Queen Charlotte's Hospital in London, UK

#### 17:30 Closing remarks

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