

**1<sup>st</sup> Congress of joint European Neonatal Societies**

***Budapest, September 15<sup>th</sup> - 20<sup>th</sup> 2015***

HungExpo

*Scientific Program*

**Artúr Beke**

*Hungarian Society*

**Morten Breindahl**

*ESN Society*

**Giuseppe Buonocore**

*UENPS Society*

**Pierre Gressens**

*ESPR Society*

**Silke Mader**

*EFCNI*

**Manuel Sánchez-Luna**

*UENPS Society*

**Miklós Szabó**

*Hungarian Perinatal Society*

**Luc Zimmermann**

*ESPR Society*

**Karen New**

*COINN*

***Program Updated on July 6<sup>th</sup> 2015***

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**Tuesday, September 15<sup>th</sup>, 2015**

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09:00–17:00

HALL 1

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**Pre Congress Course: ESN Course 1: Lung**

08:30 – 08:45      **WELCOME**

08:45 – 09:15      **THE PHYSIOLOGY OF BREATHING**

*S. Hooper Monash, Australia*

09:15 – 09:45      **NEONATAL RESPIRATORY FAILURE: A PATHOPHYSIOLOGICAL APPROACH TO  
RESPIRATORY MANAGEMENT**

*O. Danhaive*

09:45 – 10:15      **SURFACTANT: FROM BIOLOGY TO CLINICAL INDICATIONS**

*D. de Luca, Paris, France*

10:15 -10:45      Coffee

10:45 – 12:15      **WORKSHOPS 2 X 45 MIN**

**SKILLS STATION 1 - DR VENTILATION AND RESPIRATORY FUNCTION  
MONITORING**

*A. te Pas Leids, The Netherlands; C.C. Roehr Oxford, UK*

**SKILLS STATION 2 - CONVENTIONAL MECHANICAL VENTILATION IN PRACTICE**

*R. Hentschel Freiburg, Germany*

12:15 -13:15      Lunch

13:15 -14:45      **WORKSHOPS 2 X 45 MIN**

**SKILLS STATION 3 - ULTRASOUND OF THE LUNG IN PRACTICE**

*L. Cattarossi Udine, Italy; F. Raimondi Naples, Italy*

**SKILLS STATION 4 – SURFACTANT ADMINISTRATION – MIST, LISA OR INSURE?**

*K. Bohlin Stockholm, Sweden; D. de Luca, Paris, France*

- 14:45 – 15:15 Coffee
- 15:15 – 15:45 **HIGH FREQUENCY OSCILLATORY VENTILATION – WHAT, WHEN AND HOW**  
*A. Flemmer* Munich, Germany
- 15:45 – 16:15 **NON-INVASIVE VENTILATION MODES: WHAT'S NEW AND WHAT DO WE KNOW?**  
*K. Bohlin* Stockholm, Sweden
- 16:15 – 16:45 **PULMONARY CIRCULATION MANAGEMENT IN NEONATAL RESPIRATORY FAILURE**  
*O. Danhaive*
- 16:45 – 17:00 **Evaluation and summary**

*“industry-sponsored course” (please see part 2 page ....)*

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09:00–17:00

HALL 2

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**Pre Congress Course: Nurses (with translation in Hungarian)**

09:00–09:20 **THE COUNCIL OF INTERNATIONAL NEONATAL NURSES (COINN) - CONNECTING NEONATAL NURSES GLOBALLY**

*K. New* COINN President, Brisbane, Australia

09:20–09:40 **NEONATAL NURSING WORKFORCE – WHAT DO WE KNOW AND WHY IS THIS IMPORTANT?**

*C. Kenner* COINN CEO, Yardley, USA

09:40–10:00 **Neonatal Skin Crusades - what do neonatal skin injuries look like?**

*D. August* Townsville, Australia

10:00– 10:30 *Coffee break*

10:30–11:00 **NEONATAL SKIN CARE - EVIDENCE BASED MANAGEMENT**

*D. August* Townsville, Australia

11:00–11:30 **Intravenous complications and management in newborns**

*A. van den Hoogen* Utrecht, The Netherlands

11:30–12:00 **The role of neonatal nurse educators in implementing an evidence-based neonatal resuscitation training program**

*R. Boland* Melbourne, Australia

12:00–13:00 **Lunch**

13:00–13:30 **Integrated crew resource management and family centered care**

*S. Glinghammar* Stockholm, Sweden

13:30–14:00 **Nurses' experiences of parental presence during resuscitation**

*J. Stenqvist* Stockholm, Sweden

14:30–15:00 **Improving the empowerment of parents: what do parents need to take over care?**

*S. Mader* Munich, Germany



14:30–15:00 Coffee

15:00–15:20 **IMPLEMENTING KANGAROO CARE – THE BENEFITS AND CHALLENGES!**

*B. Hill* Sydney, Australia

15:20–15:40 **NURSING RESEARCH PRIORITIES IN EUROPE**

*A. van den Hoogen* Utrecht, The Netherlands

15:40–16:00 **Education and Training in Maternal and Newborn Healthcare: How can Europe's health professionals meet the challenges?**

*L. Johnston* Toronto, Canada

16:00–16:30 **THE EVERY NEWBORN ACTION PLAN AND POST DEVELOPMENT GOALS – NEONATAL NURSES HAVE A ROLE!**

*K. New* COINN President, Brisbane, Australia

09:00–17:00

HALL 1

**Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals**

- 09:00 – 09:30      **Welcome – introduction and objectives**  
*HCP Chair and representatives from EFCNI and COINN TBC*
- 09:30 – 10:00      **A Preemie Parent's Story – insight in to what the experience of being a preemie parent is and what HCPs can do to help make the journey easier for parents**  
*Parent of Preemie TBC*
- 10:00 – 10:45      **The Preemie parent journey – insights from global parent research**  
*D. Gray, Patient Relations, AbbVie*
- 10:45 – 11:30      **Parent burden study – key findings from relevant health economics and outcomes research**  
*P. Vo, HEOR, AbbVie*
- 11:30 – 12:00      **Discussion and Q&A**  
*Chair TBC (healthcare professional)*
- 12:00 – 13:00      Lunch Break
- 13:00 – 16:00      **HCP TRACK 1 (doctors):**
- 13:00 - 13:45      **Part 1: Understanding risk communications**  
*J. Paling, Risk Communication Institute*
- 13:45 – 15.45      **Part 2: Communications training**
- **Barriers to effective HCP/parent communication**
  - **How do I get my message across and make sure it is heard**
  - **Asking the right questions and understanding non-verbal communication**
  - **Practical exercises**
- M. Devan, Point Taken*

13:00 – 16:00 **HCP TRACK 2 (nurses)**

13:00 – 13:45 **Part 1: Led by COINN**

*Representative from COINN TBC*

13:45 - 15:45 **Part 2: Communications training**

- **Barriers to effective HCP/parent communication**
- **How do I get my message across and make sure it is heard**
- **Asking the right questions and understanding non-verbal communication**
- **Practical exercises**

*B. Rogers, Point Taken*

13:00 – 15:45 **Parent Track: Capability workshop What are the skills and capabilities that make parent organizations most successful?**

- **Building a successful parent group – roadmap to success**
- **Learnings from the parent experience**

*A representative from EFCNI - TBC and parent of preemie - TBC*

15:45 – 16:00 Coffee Break

16:00 – 16:45 **Key insights from break-outs and plan for action**

**Overview from EFCNI, COINN and HCP pulling together key learnings and action points from the day**

*HCP Chair and representatives from EFCNI and COINN – TBC*

16:45 – 17:00 **Conclusion and thank you**

*HCP Chair and representatives from EFCNI and COINN - TBC*

*“industry-sponsored course” (please see part 2 page ...)*

**Wednesday, September 16<sup>th</sup>, 2015**

09:00-17:00

PLENARY HALL

**Pre Congress Course: Haematological problems in neonatal period**

- 09:00 – 09:45      **Anemia in the neonatal period**  
*R.D. Christensen*
- 09:45 – 10:30      **Identifying neonates likely to benefit from a red blood cell transfusion**  
*R.D. Christensen*
- 10:30 – 11:15      **The appropriate use of blood**  
*S. Perrone Siena, Italy*
- 11:15 - 11:30      Coffee Break
- 11:30 – 12:15      **Pathophysiology of coagulation and deficiencies of coagulation factors in the newborn**  
*C. Dame Berlin, Germany*
- 12:15 – 13:00      **Risk of thrombosis in the newborn**  
*A.C. Molinari Genoa, Italy*
- 13:00 - 14:00      Lunch
- 14:00 – 14:45      **Thrombocytopenia: clinical aspects**  
*A. Del Vecchio Bari, Italy*
- 14:45 – 15:30      **Polycythemia and hyperviscosity**  
*R.D. Christensen*

09:00-17:00

HALL 1

**Pre Congress Course: Neonatal Transportation**

08:30 – 09:00 Registration, coffee

**Introduction to burning platforms in neonatal transportation**

09:00 – 09:05 **Introduction, agenda**

*M. Breindahl* Copenhagen, Denmark

09:05 – 09:30 **Burning platforms in neonatal transportation**

*M. Breindahl* Copenhagen, Denmark - *M.T. Luch* Australia - *S. Broster* UK

**Clinical experience No 1**

09:30 – 10:00 **Neo-pets, copenhagen**

*M. Breindahl* Copenhagen, Denmark

10:00 – 10:30 Coffee break

**Clinical management of the sick newborn in retrieval (including stabilisation and transfer)**

10:30 – 11:00 **Ventilation principles, incl. No & hfov**

*D. Null* Utah, USA

11:00 – 11:30 **Circulatory support, no, ecmo on wheels**

11:30 – 12:00 **Therapeutic hypothermia during transport based on the ice trial**

*M. Stewart* Victoria, Australia

12:00 – 13:00 Lunch break

## Clinical experience No 2

13:00 – 13:30      **Ants, east of england**  
*S. Broster* UK

## Skills in triage, communication and prioritization

13:30 – 14:00      **Triage in theory and praxis, prioritisation of transport requests**  
*M. Stewart* Victoria, Australia

14:00 – 14:30      **Communication with referring and receiving unit**  
*TBD*

## The importance of safety in transport

14:30 – 15:00      **Safety issues for the infants and the transport staff, parents on board?**  
*TBD*

1500 – 1530      Coffee break

## Clinical experience No 3.

15:30 – 16:00      **Piper and the role of nets in statewide neonatal education, melbourne**  
*M.T. Lluch* Australia

## Governance, legal aspects of transport medicine, education and training

16:00 – 16:25      **Responsibilities – and grey areas**  
*S. Broster* UK

16:25 – 16:50      **Transport team education, experience, personal qualifications**  
*F. Smith* UK

16:50 – 17:00      **Summary, evaluation and next steps**  
*M. Breindahl* Copenhagen, Denmark - *M.T. Lluch* Australia - *S. Broster* UK

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09:00-17:00

HALL 2

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**Pre Congress Course: ESN course 2: Brain MRI**

08:20 - 08:30      **Introduction to the course**  
*L. Ramenghi* Genoa, Italy

08:30 - 9:15      **Fetal MRI guided assessment of neonatal imaging modalities**  
*A. Righini* Milan, Italy

**NEONATAL ENCEPHALOPATHY**

09:15 – 09:45      **Brain lesions related to Neonatal Asphyxia: sentinel events and intrapartum asphyxia**  
*M. Benders* *Utrecht, Netherlands*

09:45 – 10:15      **Arterial Ischaemic lesions.**  
*J. Dudink* Rotterdam, The Netherlands

10:15 – 10:45      **Sinovenous thrombosis and venous stroke**  
*L. Ramenghi* Genoa, Italy

10:45 - 11:15      *Coffee Break*

11:15 – 11:45      **Neonatal Infections.**  
*L. de Vries* Utrecht, The Netherlands

11:45 – 12:15      **Observing an MRI scan: When to suspect a genetic or a metabolic disease in a neonate**  
*D. Tortora* Genoa, Italy

12:15 – 12:30      **Summary of the morning**

12:30 – 13:30      Lunch

**THE PRETERM BRAIN**

13:30 – 14:00      **GMH-IVH and White matter disease**  
*M. Benders* *Utrecht, Netherlands*

14:00 - 14:30      **Acquired haemorrhagic lesions of the cerebellum**

*L. Ramenghi* Genoa, Italy

14:30 – 15:00 **MRI and US at term equivalent age; prognostic value**

*L. de Vries* Utrecht, The Netherlands

15:00 - 15:30 Coffee break

15:30 – 16:00 **Scoring the preterm brain at term equivalent age with conventional MRI**

*M. Fumagalli* Milan, Italy

16:00 – 16:30 **Filling the gap between conventional MRI and DTI applications and the most recent evolutions**

*S. Counsell* London, UK

16:30 - 17:00 **Brain maturation of the preterm brain between human and animal models: What have we learned?**

*P. Huppi* Genève, Switzerland

17:00 – 17:15 **Summary – Evaluations and next steps**



09.00-17.00

HALL 3

**Pre Congress Course: Nutrition for the preterm & breastfeeding**

- 09:00-09:30      **Unique features of human milk**  
*H. Varendi* Tartu, Estonia
- 09:30 – 10:00    **Early feeding of fortified breast milk**  
*C. Poets* Tübingen, Germany
- 10:00-10:30     **CMV infection prophylaxis related to breast milk feeding in preterm infants**  
*C. Poets* Tübingen, Germany
- 10:30-11:00     Coffee Break
- 11:00-11:30     **Benefits of donor human milk for preterm infants**  
*S. Arslanoglu* Izmir, Turkey
- 11:30-12:00     **Human milk banking in europe: actual situation and european survey**  
*S. Arslanoglu* Izmir, Turkey
- 12:00-13:30     Lunch
- 13:30-14:00     **Lutein: characteristics and needs**  
*G. Buonocore* Siena, Italy
- 14:00-14:30     **Iron prophylaxis and treatment during breastfeeding**  
*M. Domellöf* Umea, Sweden
- 14:30-15:00     **Prevention of NEC**  
*J. Neu* Gainesville, USA
- 15:00-15:30     Coffee break
- 15:30-16:00     **LC-PUFA requirements for preterm neonates**  
*M. Makrides* Adelaide, Australia

16:00-16:30      **Feeding the preterm after discharge**

*A. Lapillonne Paris, France*

16:30              **Conclusions**

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09:00–17:00

HALL 4

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**Pre Congress Course: Neonatal Infections**

- 08:45 – 09:00     **Welcome & Introduction**
- 09:00 – 09:15     **Survey - hand hygiene**
- 09:15 – 10:00     **Chorionamnionitis and prenatal infections**  
*B. Kramer* Maastricht, The Netherlands
- 10:00 – 10:30     *Coffee*
- 10:30-11:15     **Prevention of group b streptococcal infection: an update**  
*P. Manzoni* Turin, Italy
- 11:15-12:00     **Nosocomial infections: strategies for prevention and management**  
*D. Haumont* Brussels, Belgium
- 12:00 – 12:30     **Prevention of neonatal fungal infections**  
*P. Manzoni* Turin, Italy
- 12:30 – 13:30     *Lunch*
- 13:30 – 14:15     **How to approach enterovirus sepsis in nicu**  
*E. Zamora Flores* Madrid, Spain
- 14:15 – 15:00     **Use and misuse of antibiotics in nosocomial infections**  
*K. Allegaert* Leuven, Belgium
- 15:00 – 15:30     *Coffee*
- 15:30-16:30     **Panel debate: which practices to decrease infections in nicu?**  
*All speakers*
- 16:30             **Conclusions**



09:00–17:00

HALL 5

**Pre Congress Course: Family-centred care**

- 9:00 – 9:45      **The evidence base and systems perspectives of early brain protective interventions**  
*B. Westrup* Stockholm, Sweden
- 9:45 – 10:30    **Supporting sensory and brain development of very low birth weight infants in the nicu**  
*N. Conneman* Rotterdam, The Netherlands
- 10:30 – 12:30   **Family and infant neuro-developmental education (fine) - an educational model for bridging the gap between theory and practice**  
*I. Warren* London, UK; *M. Oude Reimer* Rotterdam, The Netherlands
- 12:30 – 13:30    Lunch break
- 13:30 – 14:15   **Necessary ingredients for long term follow up care of premature infants: care, notice, study**  
*A. van Wassenaer-Leemhuis* Amsterdam, The Netherlands
- 14:15 – 15:00   **Going home safely: facilitating discharge from the nicu?**  
*B. Hüning* Essen, Germany
- 15:00 – 17:00   **Top - a preventive developmental intervention program for preterm infants and their parents**  
*K. Koldewijn* Amsterdam, The Netherlands; *M.J. Wolf* Amsterdam, The Netherlands

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09:00–17:00

HALL 6

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**Pre Congress Course: Cohort Studies**

9:00 - 9:15 Welcome and introduction / TB Henriksen

9:15 - 10:15 The anatomy of cohort studies, basic concepts incl causal inference and measures of association / TB Henriksen, CC Bach & Faculty

10:15 - 10:45 Exercise with abstracts: aim, study design and measures of association / TB Henriksen, CC Bach, T Williams & Faculty

10:45 - 11:15 Coffee break

11:15 - 12:00 Causal directed acyclic graphs (DAGs), confounding, intermediate variables, and collider stratification bias – incl strategies to minimize or deal with these, the use of multivariable analyses / CC Bach

12:00 - 12:15 Exercise: drawing DAGs / CC Bach & Faculty

12:15 - 13:00 Selection- and information bias +/- DAGs strategy / L Gagliardi

13:00 - 13:45 Lunch

13:45 - 14:15 Missing values and multiple imputation / D Virella

14:15 - 15:00 Hands on: methods to minimize bias and confounding; incl design and analyses / L Gagliardi & Faculty

15:00 - 15:30 Coffee break

15:30 - 16:15 What is the place for cohort studies in therapeutic evaluation? / D Virella

16:15 – 17:00 Questions and follow-up on discussion / Faculty

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09:00–17:00

HALL 7

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**Pre Congress Course: Near-infrared Spectroscopy**

|             |   |                                  |
|-------------|---|----------------------------------|
| 09.00-09.10 | Welcome & Introduction                            | <i>Dr. Elise Verhagen</i>        |
| 09.10-09.50 | Principles of NIRS: methodology & instrumentation | <i>Prof. Martin Wolf</i>         |
| 09.50-10.30 | Cerebral NIRS 1: transition at birth              | <i>Dr. Gehard Pichler,</i>       |
| 10.30-11.00 | <i>Coffee</i>                                     |                                  |
| 11.00-11.40 | Cerebral NIRS 2: autoregulation                   | <i>Dr. Flora Wong</i>            |
| 11.40-12.20 | Cerebral NIRS 3: longterm outcome                 | <i>Dr. Elise Verhagen</i>        |
| 12.20-12.50 | Multi-site NIRS: renal/abnominal                  | <i>Dr. Elisabeth Kooi</i>        |
| 12.50-13.10 | Practical demonstration of NIRS                   |                                  |
| 13.10-14.00 | <i>Lunch</i>                                      |                                  |
| 14.00-14.40 | Multimodal and multichannel NIRS                  | <i>Dr. Robert Cooper</i>         |
| 14.40-15.20 | NIRS as a clinical tool: the SafeBoosC study      | <i>Dr. Simon Hyttel-Sorensen</i> |
| 15.20-16.00 | NIRS as a clinical tool: Pro-Con debate           | <i>Dr. Willem de Boode,</i>      |
|             |   | <i>Prof. Gorm Greisen</i>        |
| 16.00-16.30 | <i>Coffee</i>                                     |                                  |
| 16.30-17.00 | Future directions: panel discussion               |                                  |

**Wednesday, September 16<sup>th</sup>, 2015**

17:30–19:00

PLENARY HALL

**Plenary Session: Welcome**

***Chairpersons:***

17:30-17:40

**Honouring Adolf Valls i Soler**

***H. Hummler*** *Ulm, Germany*

17:40-18:00

**NICU of the future**

***R. White*** *South Bend, USA*

18:00-18:30

**MicroRNA as biomarker of disease in preterm infants**

***M.C. Albertini*** *Urbino, Italy*

18:30-19:00

**The unmet needs of perinatal medicine - multidisciplinary approach of the future**

***S. Mader*** (Parents), ***L. Storari*** (Industry), ***D. Haumont*** (Neonatologist), ***A. van den Hoogen*** (Nurses)

***Facilitators: G.C. Di Renzo*** (FIGO secretary), ***N. Marlow*** (Past President ESPR)

19:00–22:00

EXHIBITION & POSTER AREA

19:00-22:00

Welcome Reception



**Thursday, September 17<sup>th</sup>, 2015**

09:00-11:00

PLENARY HALL

**Parallel Session: New ways for diagnostics and imaging lung diseases**

**Chairpersons: U. Schubert; D. de Luca, Paris, France**

09:00-09:30

**4d ct of the lung**

*S. Hooper Monash, Australia*

09:30-10:15

**Functional applications of lung ultrasound to neonatal respiratory disease**

*F. Raimondi Naples, Italy*

**Lung ultrasound and respiratory support**

*L. Cattarossi Udine, Italy*

10:15-10:30

**Evaluation of physiological adaptation of the lung to postnatal life by lung ultrasound (ID741)**

*M. Federici; M.G. Pattumelli; F. Feleppa; C. Gizzi; L. Massenzi; A.M. Giua; S. Sinibaldi; M. Massoud; P.V. Federici Rome, Italy*

10:30-10:45

**Lung ultrasound diagnostic accuracy for pneumothorax in the suddenly decompensating neonate: an international, prospective study (ID389)**

*F. Migliaro; X. Rodriguez Fanjul; N. Youssef; I. Corsini; S. Aversa; L. Grappone; F. Raimondi on behalf of the LUCI investigators Naples, Italy*

10:45-11:00

**Non-invasive monitoring of oxygen in the lungs of newborn infants by diode laser (ID856)**

*M. Larsson; P. Lundin; E. Krite Svanberg; J. Åkeson; K. Svanberg; S. Svanberg; S. Andersson-Engels; V. Fellman Lund, Sweden*

09:00-11:00

HALL 1

**Parallel Session: Ethics track I**

***Chairpersons:***

- 09:00-09:30      **Ethical questions/clinical research**  
*J. Lantos Kansas City, USA*
- 09:30-10:00      **Bioethics at the bedside in the nicu**  
*E.A.A. Verhagen, The Netherlands*
- 10:00-10:15      **Decision-making for extremely preterm infants: a survey about the attitudes and values within a multi-cultural society (ID537)**  
*M. Hendriks; H.U. Bucher; S. Klein; R. Baumann-Hölzle; J-C Fauchère Zurich, Switzerland*
- 10:15-10:30      **Utilities for disability in a developing country: provider perspectives (ID338)**  
*S. Jondhale; E. Spiegel; I. Brajkovic; J. Partridge; V. Bhutani; P. Kumar Chandigarh, India*
- 10:30-10:45      **Limiting life sustaining treatment for newborn infants: the wilst study (ID426)**  
*N. Aladangady; C. Shaw; K. Gallagher; E. Stokoe; N. Marlow for Collaborator Group London, UK*
- 10:45-11:00      **Neonatal organ donation in scotland (ID570)**  
*L. Leven; N. Healy; K. O'Reilly Glasgow, UK*

09:00-11:00

HALL 2

**Parallel Session: Systems medicine in neonatology**

**Chairpersons:** *O. Dammann Boston, USA; A. Lapillonne Paris, France*

09:00-09:30 **What is systems medicine?**

*C. Auffray* Lyon, France

09:30-10:00 **Systems epidemiology and the premature retina**

*O. Dammann Boston, USA*

10:00-10:15 **Does delayed passage of meconium and lower frequency of stools precede development of necrotising enterocolitis? (ID665)**

*E. Lilja, K. Sandberg, A. Elfvin Gothenburg, Sweden*

10:15-10:30 **Risk maternal factors for NEC in premature infants with GA under 28 weeks (ID223)**

*G. Olariu; L. Olariu; S. Olariu; M. Tunescu Timisoara, Romania*

10:30-10:45 **Circulating salicylic acid in obese children: association with fruit and vegetable consumption (ID519)**

*E. Verduci; C. Lassandro; B. Mariani; M. Brambilla; G. Radaelli; G. Banderali Milan, Italy*

10:45-11:00 **Abnormal Glucose Homeostasis and Low Leptin Levels In Newborns Born to Vitamin D Deficient Mothers (ID280)**

*N. Aslan; O. Pirgon; G. Sandal; M. Dundar Isparta, Turkey*

09:00-11:00

HALL 3

**Parallel Session: Metabolism and nutrition track I**

**Chairpersons:** H. van Goudoever Amsterdam, The Netherlands; **M. Makrides** Adelaide, Australia

- 09:00-09:30      **Update on iron metabolism & iron requirements in perinatology: Role of hepcidin in fetal and postnatal life**  
*S. Vulont Paris, France*
- 09:30-10:00      **Update on iron metabolism & iron requirements in perinatology: Iron supplementation during pregnancy**  
*M. Makrides Adelaide, Australia*
- 10:00-10:30      **Update on iron metabolism & iron requirements in perinatology: Iron requirements of infants & toddlers**  
*M. Domellöf Umea, Sweden*
- 10:30-10:45      **Growth and nutritional biomarkers of preterm infants fed a new powdered human milk fortifier: a multicenter, randomized, controlled, double-blind clinical trial (ID289)**  
*J. Spalinger; J.-M. Hascoët; C. Billeaud; J.-C. Picaud; F. Mosca; A. Rubio; E. Saliba; M. Radkë; U. Simeoni; B. Guillois; P. Steenhout; J. Jaeger; L. Ameye; N.P. Hays; J. Rigo Liège, Belgium*
- 10:45-11:00      **Current espghan recommendations for preterm parenteral nutrition - a recipe for severe biochemical disturbances? (ID449)**  
*S. Mulla; S. Cowey; R. Close; S. Pullan; R. Howe; J. Jones; L. Radbone; P. Clarke Norwich, UK*

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09:00-11:00

HALL 4

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**Parallel Session: Brain track I**

Chairpersons: M. Benders **Utrecht, Netherlands**; **L. Ramenghi** Genoa, Italy

09:00-09:30 **Thalamo-cerebellar connectivity (MICE)**

**F. Hoebeek** Rotterdam, The Netherlands

09:30-10:00 **Thalamo-cortical and thalamo-cerebellar connectivity**

**S. Counsell** London, UK

10:00-10:15 **Incidence of focal preterm brain injury in a dutch center specialized in treatment of extremely preterm birth**

**R. de Goederen; R. de Jonge; P. Govaert; M. Feijen-Roon; I. Reiss; J. Dudink** Rotterdam, The Netherlands

10:15-10:30

10:30-10:45 **Relationship between diffusion tensor imaging and fine motor function in young adults born with very low birth weight (ID528)**

**K.A.I. Evensen; I.M. Husby; A. Olsen; J. Skranes; A.M. Brubakk; A.K. Håberg; L. Eikenes** Trondheim, Norway

10:45-11:00 **Incidental findings on routine mri scans in vlbw babies: should we expect the unexpected? (ID889)**

**M. Malova; A. Parodi; M. Severino; G. Morana; A. Rossi; A. Sannia; L.A. Ramenghi** Genova, Italy

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09:00-11:00

HALL 5

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**Parallel Session: Care in neonates**

***Chairpersons:***

09:00-09:30      **Evidence-based thermal care interventions**

09:30-10:00      **Actions required to improve neonatal mortality – the every newborn action plan**

*K. New* Brisbane, Australia

10:00-10:30      **Skin care, pressure injuries and measurement tools**

*D. August* Townsville, Australia

10:30-11:00      **Action research on relationship centered care**

*C. Skene* Sheffield, UK

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11:30-12:30

PLENARY HALL

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**Plenary Session: Stem cells**

***Chairpersons:***

11:30-11:35      **Opening words**

11:35-12:00      **Stem cells and lung**

*B. Kramer* Maastricht, The Netherlands

12:00-12:25      **Stem cells and brain**

*O. Baud* Paris, France

12:25-12:30      **Discussion**

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13:30-15:00

PLENARY HALL

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**Poster Session: Brain 1**

*Chair:* D. Rowitch San Francisco, USA; *U. Felderhoff-Müser* Essen, Germany

13:30-13:35      **N-ACETYLCYSTEINE AMIDE (NACA) MAY HAVE NEUROPROTECTIVE PROPERTIES AFTER PERINATAL ASPHYXIA (ID756)**

*T. Benterud*

13:35:13:40      **THE ASSOCIATION BETWEEN PATERNAL EDUCATIONAL LEVEL AND DEVELOPMENTAL DELAY IN PRETERM AND TERM-BORN CHILDREN AT AGE 4 (ID409)**

*S. de Jong; J.M. Kerstjens; A.E. den Heijer; A.F. Bos; S.A. Reijneveld; M.R. Potijk*  
*Groningen, The Netherlands*

13:40:13:45      **FULL NEONATAL EEG MONITORING: HOW WELL CAN NICU NURSES AND PHYSICIANS DETECT SEIZURES? AN EYE-TRACKER STUDY (ID335)**

*L. De Wispelaere; R. Kharagjitsing; I. Reiss; L. Smit; J. Pel; P. Govaert; J. Dudink*  
*Rotterdam, the Netherlands*

13:45-13:50      **SEPARATE EFFECTS OF LOW PATERNAL AND MATERNAL EDUCATIONAL LEVEL ON RISK OF DEVELOPMENTAL DELAY IN 4 YEAR OLD BOYS AND GIRLS (ID410)**

*S. de Jong; M.R. Potijk; A.E. den Heijer; S.A. Reijneveld; A.F. Bos; J.M. Kerstjens*  
*Groningen, The Netherlands*

13:50-13:55      **SERUM COPEPTIN AS A DIAGNOSTIC MARKER FOR FEBRILE AND EPILEPTIC SEIZURES (ID728)**

*S. Kasser; B. Stöcklin; S. Fouzas; P. Schillinger; S. Cayir; R. Skendaj; M. Ramser; P. Weber; S. Wellmann* Basel, Switzerland

13:55-14:00 **INCREASED RATES OF RETINOPATHY OF PREMATURITY AFTER INCREASING OXYGEN SATURATION TARGETS FOR VERY PRETERM INFANTS: A SINGLE-CENTRE EXPERIENCE (ID 037)**

*B. Manley; C.A. Kuschel; J.E. Elder; L.W. Doyle; P.G. Davis Parkville, Australia*

14:00-14:05 **Blood Pressure during the immediate neonates transition: Is the middle artery pressure (MAP) relevant for the regional cerebral Oxygenation (crSO<sub>2</sub>)? (ID 747)**

*N. Baik; B. Uriesberger; B. Schwabegger; G. Schmölzer; A. Avian; G. Pichler Graz, Austria*

14:05-14:10 **Between 1993 and 2012: Evolution of cerebral palsy in preterm children (ID 755)**

*M. Bickle Graz; J. Schneider; A.C. Truttmann Lausanne, Switzerland*

14:10-14:15 754; 802;751; 073; 531;721; 488; 378; 379; 283

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13:30-15:00

HALL 1

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**Poster Session: Circulation**

**Chair persons:** *G. Pichler Graz, Austria*

, Afif El-Khuffash

50, 811, 179, 561, 684, 112, 535, 608, 099, 326, 279, 058, 852, 388, 515, 169, 611, 181

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13:30-15:00

HALL 2

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Poster Session: **Pulmonary poster1: Ventilation and breathing**

**Chairpersons:** *R. Hentschel Freiburg, Germany; D. de Luca, Paris, France*

663 – 448 – 660 -669 – 244 – 245-776-27-137-699-621-364-648-650-465-463-191-36



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13:30-15:00

HALL 3

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**Poster Session: Nutrition & Gastroenterology Poster session 1**

*Chairpersons:* S. Arslanoglu *İzmir, Turkey*; N. Embleton Newcastle, UK

706, 800, 381, 024, 509, 503, 266, 513, 757, 005, 487, 270, 286, 551, 524, 891, 485, 309

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13:30-15:00

HALL 4

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**Poster Session: Brain 2**

*Chairpersons:* D. Edwards London, UK; ; D. Murray

828;308,145,061,259,804,632,474,832,492,206,395,130,729,445,473,682,566

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13:30-15:00

HALL 5

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**Poster Session: Care, education and training in neonatology**

408, 500, 640, 393, 588, 510, 221, 794, 498, 803, 100, 470, 772, 025, 402, 475, 103, 433

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15:00-17:00

PLENARY HALL

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**Parallel Session: Antibiotic resistance & antibiotic stewardship**

*Chairpersons:* P. Manzoni Turin, Italy;

15:00-15:30      **How to balance the interests of my patients against of the other patients in my unit/hospital/society**

*G. Greisen Copenhagen, Denmark*

15:30-16:00      **Use of clinical guidelines in antimicrobial stewardship**

*P. Manzoni Turin, Italy*

16:00-16:15      **Efficacy of systemic fluconazole prophylaxis in reduction of systemic candidiasis in extremely low birthweight (ELBW) infants. (ID820)**

*V.S. Rajadurai; B.Sriram; P.C.Khoo; J.M.Manuel, P.Agarwal Singapore*

- 16:15-16:30 **Randomized trial of chlorhexidine versus povidone-iodine for skin antisepsis prior to central venous catheter insertion in preterm infants (eudract 2011-002962-19) (ID366)**  
*E. Kieran; A. O'Sullivan; J. Miletin; A. Twomey; S. Knowles; C. O'Donnell* Dublin, Ireland
- 16:30-16:45 **Adoption of aseptic non touch technique in northern ireland's neonatal units (ID162)**  
*C. Anderson; M. Hogan; C. Carville; U. Toland* Northern, Ireland
- 16:45-17:00 **Influence of the technique of urine sampling of urinalysis result and contamination rate in neonatal period (ID739)**  
*M. Štimac; D. Kardum; M. Sipl; S. Pušeljić; V. Milas* Osijek, Croatia

15:00-17:00

HALL 1

**Parallel Session: Circulatory changes at birth and cardiovascular outcome**

Chairpersons: W. de Boode *Nymegen, The Netherlands*, C. Costa

- 15:00-15:30      **Long term cardiovascular outcomes of prematurity**  
*S. Kotecha Cardiff, UK*
- 15:30-16:00      **Circulatory & cerebral changes at birth**  
*G. Pichler Graz, Austria*
- 16:00-16:15      **The effect of prenatal caffeine on the cardiovascular transition at birth (ID232)**  
*C. Binder-Heschl; K. Crossley; G. Polglase; D. Blank; V. Zahra; A. Moxham; K. Rodgers; S. Hooper Graz, Austria*
- 16:15-16:30      **The impact of premature lung disease on the maturation of cardiac performance in the first year of life: discerning early predictive markers of chronic lung disease (ID630)**  
*P. Levy; A. Sanchez; T. Sekarski; M. Holland; A. Hamvas; G. Singh Saint Louis, MO, USA*
- 16:30-16:45      **Longitudinal assessment of myocardial strain and strain rate and the effect of chronic lung disease in preterm infants less than 29 weeks gestation (ID056)**  
*J.D. Corcoran; O. Franklin; L. Mertens; A. EL-Khuffash Dublin, Ireland*  
*Presenter: A.T. James*
- 16:45-17:00      **Cardiac function after the immediate transitional period using a novel technique (ID188)**  
*K. de Waal; N. Phad; A. Lakkundi; P. Tan Newcastle, Australia*

15:00-17:00

HALL 2

**Parallel Session: Genetics track I**

**Chairpersons:** *D. Rowitch San Francisco, USA; S. Wellmann Basel, Switzerland*

15:00-15:30

**Migration disorders**

*R. Guerrini Florence, Italy*

15:30-16:00

**Genetics of congenital microcephalies (to reduce a bit the focus)**

*A. Verloes Paris, France*

16:00-16:15

**Neuroimaging in presumed perinatal arterial ischemic stroke and recognition of specific neuroradiological pattern: a single center experience (ID763)**

*M. Bertamino; M. Severino; M. Di Rocco; A. Rossi; L. Ramenghi and Stroke Group\*(\*V. Capra; I. Ceccherini; M.E. Celle; C. Gandolfo; A.C. Molinari; A. Palmieri; M. Pavanello; P. Picco; S. Renna; A. Rossi; R. Ravazzolo) Genova, Italy*

16:15-16:30

**Transcriptional regulation of sex-specific gonadal differentiation involves cooperation between WT1 and GATA4 on FOXL2 and SOX9 expression (ID861)**

*C. Dame; L.J. Rudigier, H. Scholz; K.M. Kirschner Berlin, Germany*

16:30-16:45

**A murine model of bronchopulmonary dysplasia – preliminary results from whole-genome mrna expression study in blood (ID769)**

*C. Revhaug; M. Zasada; A. Gro Rognlien; L. Baumbusch; A. Madetko-Talowska; P. Kwinta; M. Bik-Multanowski; J.J. Pietrzyk; O.D. Saugstad Oslo, Norway*

16:45-17:00

**Persistent hypomethylation of the preterm pig intestine (ID683)**

*X. Pan; F. Gao; T. Thymann; P. Sangild Copenhagen, Denmark*

15:00-17:00

HALL 3

**Parallel Session: Epidemiology track I**

*Chairpersons: J.P. Petersen; C.C. Bach*

- 15:00-15:20      **EPIPAGE 2**  
*P.Y Ancel Villejuif, France*
- 15:20-15:35      **Perinatal outcome of pregnancy without antenatal care**  
*H. Orvos Szeged, Hungary*
- 15:35-15:50      **Preterm delivery in hungary**  
*A. Beke Budapest, Hungary*
- 15:50-16:15      **Is it time for an unified european neonatal network?**  
*M. Weindling Liverpool, UK*
- 16:15-16:30      **Respiratory outcomes in late and moderately preterm infants: results from a population-based study (ID539)**  
*S. Robinson; S.E. Seaton; R.J. Matthews; S. Johnson; E.S. Draper; B.N. Manktelow; L.K. Smith; N. Marlow; D.J. Field; E.M. Boyle Leicester, UK*
- 16:30-16:45      **Neurodevelopmental Disabilities and Special Health Care Needs at 12 Years in Children Born at < 26 Weeks` Gestation after Active Perinatal Care (ID833)**  
*A. Farooqi; A. Holsti; B. Hägglöf; M. Adamsson; F. Serenius Umeå, Sweden*
- 16:45-17:00      **Lasting Impact of Major Neonatal Morbidities on the Outcome of 10 to 16-Year Old Children Who Were Born at 23-25 Weeks Gestation after Active Perinatal Care (ID568)**  
*A. Farooqi; F. Serenius Umeå, Sweden*

15:00-17:00

HALL 4

**Parallel Session: Brain track II**

Chairpersons: *L. de Vries* Utrecht, The Netherlands; G. Natalucci

- 15:00-15:30      **Autism**  
*P. Curatolo* Rome, Italy
- 15:30-16:00      **Autism spectrum symptoms and very preterm birth**  
*N. Marlow* London, UK
- 16:00-16:15      Cognitive Functioning In Early Adolescence In Children Born At Or Less Than 25 Weeks  
Of Gestation After Active Perinatal Care In 1990s. (ID486)  
*A. Farooqi; M. Adamsson; F. Serenius; B. Hägglöf* Umeå, Sweden
- 16:15-16:30      Delayed Cord Clamping at Birth Improves Motor Scores at 18 to 22 months Corrected  
Age: A Randomized Controlled Trial (ID384)  
*J. Mercer; D. Erickson-Owens; B. Vohr; R. Tucker; W. Oh; J. Padbury* Providence, USA
- 16:30-16:45      Voice outcomes following very preterm birth (ID054)  
*S. Meldrum; K. Simmer; S. Vijayasekaran; N. French; V. Reynolds* Perth, Australia
- 16:45-17:00      Timing of amplitude-integrated electroencephalography recording for prediction of  
outcome in premature infants (ID731)  
*E. Ralser; V. Neubauer; U. Pupp-Peglow; U. Kiechl-Kohlendorfer; E. Griesmaier*  
Innsbruck, Austria

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15:00-17:00

HALL 5

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**Parallel Session: Dealing with death**

**Chairpersons:** : *S.Mader* Munich, Germany; *J. Latour* Plymouth, UK

15:00-15:20      **Keynote lecture: Joint decision making in neonatal palliative care**

*J. Latour* Plymouth, UK

15:20-15:40      **Parents with a muslim background**

*M. Elbarbary* Riyadh, Saudi Arabia

15:40-16:00      **Parents with a jewish background**

*R. Wajntraub* Jerusalem, Israel

16:00-16:20      **Parents with a christian background**

*J. Peters* Munich, Germany

16:20-16:40      **Oral Communications**

16:40-17:00      **Oral Communications**

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17:30-18:30

PLENARY HALL

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**Plenary Session: Bengt Robertson Honorary**

*Chairpersons: L. Zimmermann Maastricht, The Netherlands; K. Bohlin Stockholm, Sweden*

17.30-18.00 **Bengt Robertson Award**  
*M. Hallman San Francisco, USA*

18.00 -18.30 **lung ultrasound as a predictor of mechanical ventilation in neonates older than 32 weeks (ID399)**  
*J. Rodríguez-Fanjul; C. Balcells; V. Aldecoa-Bilbao; J. Moreno; M. Iriundo Barcellona, Spain*

*“industry-sponsored session” (please see part 2 page.....)*

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18:30-20:00

PLENARY HALL

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**Satellite Symposium: TO THE NICU AND BEYOND**

*Chairpersons: L. Zimmermann Maastricht, The Netherlands*

18:30-19:00 **BPD – Is there a ripple effect?**  
*J. Hascoet, France*

19:00-19:30 **Surfactant Dose - Another Perspective**  
*D. de Luca, Paris, France*

19:30-20:00 **The Late Preterms: Are They On Our Radar?**  
*E. Boyle, UK*

*“industry-sponsored session” (please see part 2 page)*



**Friday, September 18<sup>th</sup>, 2015**

08:30-10:30

PLENARY HALL

**Plenary Session: Young Investigator Prize session**

**Chairpersons:** *G. Buonocore* Siena, Italy; *L. Zimmermann* Maastricht, The Netherlands

08:30-09:00

**The endoplamic reticulum stress**

*W. Balduini* Urbino, Italy

09:00-09:15

**Prediction of Neurodevelopmental Outcome in Infants with Intraventricular Hemorrhage using a functional MRI Score (ID762)**

*K. Goeral; G. Kasprian; C. Leeb; R. Fuiko; A. Berger 1; M. Olischar; K. Klebermass-Schrehof* Vienna, Austria

09:15-09:30

**Predicting school-age cognitive capacities from the neonatal connectome in preterm born children (ID877)**

*K. Keunen; M.J.N.L. Benders; A. Leemans; I.C. van Haastert; P.C. Fieret-Stam; L.H. Scholtens; M.A. Viergever; R.S. Kahn; F. Groenendaal; L.S. de Vries; M.P. van den Heuvel* Utrecht, The Netherlands

09:30-09:45

**punctate white matter lesions: correlation to gestational age and swi appearance (ID888)**

*M. Malova; A. Parodi; M. Severino; G. Morana; A. Sannia; A. Rossi; L.A. Ramenghi* Genova, Italy

09:45-10:00

**bayley scales of infant and toddler development (edition 3) in a low risk healthy population (ID504)**

*C. Ahearne; G. Hannon; M. Kiely; L. Kenny; J. O'B Hourihane; D. Murray* Cork, Irland

10:00-10:15

**pre-and postnatal growth restriction is a risk factor for severe retinopathy of prematurity dependent on gestational age at birth (ID444)**

*S. Klevebro; P. Lundgren; U. Hammar; L. Smith; M. Domellöf; M. Bottai; B. Hallberg; C. Löfqvist; A. Hellström* Stockholm, Sweden

10:15-10:30

**effect of withholding feeds on transfusion related acute gut injury in preterm infants – a randomised controlled trial (ID658)**

***S.Sahin; G.K.Kutman; O.Bozkurt; F.Y.Atay; F.E.Canpolat; N.Uras; S.S.Oğuz** Ankara,  
Turkey*

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11:00-12:30

PLENARY HALL

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**Parallel session: Metabolism and nutrition track II**

**Chairpersons:** C. Poets *Tübingen, Germany*; C. Agostoni *Milan, Italy*

11:00-11:30 **Probiotics in preterm infants: what works, and how?**

*N. Embleton* Newcastle, UK

11:30-12:00 **Lactoferrin trials**

*P. Manzoni* Turin, Italy

12:00-12:15 **Maternal antibiotics and term infant gut colonization (ID216)**

*G. Zachariassen; N. Hyldig; K. Shamrulazhar; L. Krych; G. Greisen; D.S. Nielsen*  
*Odense, Denmark*

12:15-12:30 **Dynamics of dna methylation at IGF2 in preterm and term infants during the first year of life (ID622)**

*C. Piyasena; J. Cartier; B. Khulan; K. French; G. Menon; J. Seckl; R. Reynolds; A. Drake*  
*Edinburgh, UK*

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11:00-12:30

HALL 1

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**Parallel Session: New surfactants/surfactant protection**

**Chairpersons:** *M. Sánchez-Luna* Madrid, Spain; *O. Danhaive*

- 11:00-11:30      **Effects of Recombinant Club Cell 10 kDa Protein in Respiratory Distress of Prematurity**  
*A. Pilon* Rockville, USA
- 11:30-12:00      **Towards new inhibition-resistant surfactant preparations: polymers and biophysics**  
*J. Perez-Gil* Madrid, Spain
- 12:00-12:15      **A first-in-human clinical study on the safety and efficacy of a new synthetic surfactant (CHF 5633) in preterm infants with respiratory distress syndrome (ID805)**  
*D.G. Sweet; M. Turner; Z. Stranak; R. Plavka; P. Clarke; B. Stenson; D. Singer; R. Goelz; S. Gupta; S. Schmidtke; S. Harigopal; L. Fabbri; G. Varoli; C.P. Speer* Edinburgh, UK
- 12:15-12:30      **Brief antenatal inhibition of notch signaling attenuates fetal respiratory distress in preterm mice (ID277)**  
*P.-N. Tsao; H.-C. Huang; S.-C. Wei* Taipei, Taiwan

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11:00-12:30

HALL 2

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**Parallel Session: Pharmacology and Antibiotics**

**Chairpersons:** *C. Bühler Berlin, Germany; E. Jacqz-Aigrain Paris, France*

11:00-11:20      **Use of antibiotics in european nicus**

*W. Göpel* Luebeck, Germany

11:20-11:40

**Appropriate ab use**

*I. Lutsar* Tartu, Estonia

11:40-11:55

**Vancomycin therapeutic drug monitoring in neonates: are there intra-assay differences (ID098)**

*A. Smits; M. Oyaert; P. Vermeersch; V. Cossey; G. Naulaers; S. Pauwels; I. Spriet; K. Allegaert* Leuven, Belgium

11:55-12:10

**Gentamicin exposure and sensorineural hearing loss in preterm infants (ID157)**

*A. Fuchs; L. Zimmermann; M. Bickle Graz; J. Cherpillod; J-F. Tolsa; T. Buclin; E. Giannoni* Lausanne, Switzerland

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11:00-12:30

HALL 3

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**Parallel Session: Pharmacology track I**

**Chairpersons:**

11:00-11:30

**Clinical pharmacology in neonates**

*J. van de Anker* Washington, USA

11:30-12:00

**Drug-induced nephrotoxicity in the newborn**

*V. Fanos* Cagliari, Italy

12:00-12:15

**Early intravenous paracetamol closes ductus arteriosus in very premature infants: a randomized, controlled trial (ID111)**

*P. Härkin; A. Härmä; O. Aikio; M. Valkama; M. Leskinen; T. Saarela; M. Hallman* Oulo, Finland

12:15-12:30 Potentially harmful excipients in medicines prescribed in Neonatal Intensive Care Units (NICU) – product substitution as a way forward (ID148)  
*G. Nellis; I. Lutsar; H. Varendi; M. A. Turner; T. Metsvaht Liverpool, UK*

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11:00-12:30

HALL 4

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**Parallel session: Brain track III**

**Chairpersons:** *U. Felderhoff-Müser Essen, Germany; M. Gram*

11:00-11:30 **New mechanisms of brain damage in preterm: Neuroinflammation**  
*B. Fleiss London, UK*

11:30-12:00 **New mechanisms of brain damage in preterm: Oligodendrocyte maturation**  
*D. Rowitch San Francisco, USA*

12:00-12:15 **Early postnatal hydrocortisone impairs cerebellar growth and delays neonatal arousal in preterm pigs (ID143)**  
*A. Brunse; P. Worsøe; M. Birck; P. Sangild Copenhagen, Denmark*

12:15-12:30 **Impact of hypoxia-ischaemia and dopamine treatment on Dopamine D2-like receptors in the preterm lamb brain (ID183)**  
*S. Ingelse; N. Brew; U. Ratnayake; F. Wong Melbourne, Australia*

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11:00-12:30

HALL 5

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**Parallel Session: Patient-centred and developmentally supportive care**

**Chairpersons:** *B. Westrup Stockholm, Sweden*

11:00-11:30      **keynote lecture: Changing the paradigm for improving neonatal care – an update (2 years later)**

*S. Lee Toronto, Canada*

11:30-11:45      **Individualizing care for the prematurely born infant and her family with the nidcap model**

*N. Conneman Rotterdam, The Netherlands*

11:45-12:00      **The stockholm neonatal family-centred care study**

*B. Hallberg Stockholm, Sweden*

12:00-12:15      **Oral Communications**

12:15-12:30      **Oral Communications**

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13:30-14:30

PLENARY HALL

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**Poster Session: Brain 3**

**Chairpersons:** *M. Benders Utrecht, Netherlands; B. Fleiss London, UK*

276,267,394,413,601,076,812,793,716,583,775,796

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13:30-14:30

HALL 1

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Poster Session: **Pulmonary Poster Symposium 2: Lung disease in the delivery room and beyond**

Chairs: Hans Fuchs

434,360,428,590,397,545,44,459,565,806,110,144

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13:30-14:30

HALL 3

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**Poster Session: Epidemiology Poster Session 1**

Chairpersons: Christina Friis Jensen; T. Brink Henriksen

EPI1 (623), EPI2 (656), EPI3 (203), EPI4 (321), EPI5 (710), EPI6 (670), EPI7 (824), EPI8 (201), EPI9, (734),  
EPI10 (569), EPI11 (765), EPI12 (686)

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13:30-14:30

HALL 4

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**Poster Session: Pharmacology poster session**

560, 359, 855, 198, 071, 501, 705, 385, 627, 094, 318, 119, 091

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13:30-14:30

HALL 5

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**Poster Session: Neonatal transportation**

116, 421, 170, 865, 847, 614, 411, 849, 363, 341, 171, 250

14:30-16:30

PLENARY HALL

**Parallel Session: Brain track IV**

*Chairpersons: P. Huppi Genève, Switzerland; B. Fleiss London, UK*

14:30-15:00

**Anesthetics pros**

*S. Dahmani France*

15:00-15:30

**Anesthetics cons**

*N. Robertson London, UK*

15:30-15:45

**Neuroinflammation, a key factor in the pathophysiology of preterm intraventricular hemorrhage: the role of microglia cells and haptoglobin as a feasible therapy (ID829)**

*A. Agyemang; S. Vallius; D. Ley; M. Gram Lund, Sweden*

15:45-16:00

**Systemic hemolysis and hyperoxemia in a rat pup model; a novel way of modeling effects of cardiopulmonary bypass (ID850)**

*Å. Jungner; S. Vallius; M. Gram; D. Ley Lund, Sweden*

16:00-16:15

**Cold-inducible rna binding protein rbm3 prevents er stress-induced apoptosis (ID361)**

*X. Zhu; A. Zelmer; J. Kapfhammer; S. Wellmann Basel, Switzerland*

16:15-16:30

**Brain injury and neurological deficits in different models of hypoxia-ischemia in neonatal mice (ID489)**

*B.S. Reinboth; C. Köster; K. Strasser; I. Bendix; U. Felderhoff-Müser; J. Herz Essen, Germany*



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14:30-16:30

HALL 1

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**Parallel Session: Microcirculation**

*Chairpersons: A. El-Khuffash; T. Austin Cambridge, UK*

14:30-15:00      **Keynote Lecture: Photoacoustic Imaging of the Microcirculation**

*P. Beard London, UK*

15:00-15:30      **keynote: Cerebrovascular control during sleep**

*F. Wong, Australia*

15:30-15:45      **Temporal changes in microvascular function following preterm birth in guinea pigs (ID322)**

*R. Rahman; R. Dyson; K. Wright; M. Berry Wellington, New Zealand*

15:45-16:00      **Heme-oxygenase expression following preterm birth: evidence of a feed-forward mechanism driven by oxidative stress (ID629)**

*R. Dyson; A. Abbas; K. Shepherd; M. Kelly; H. Palliser; I. Wright Wollongong, Australia*

- 16:00-16:15 **Pacap can influence the vascular changes in the animal model of retinopathy of prematurity (ID240)**  
*T. Kvarik; B. Mammel; D. Werling; A. Vaczy; D. Reglodi; T. Ertl; J. Gyarmati; T. Atlasz Pecs, Hungary*
- 16:15-16:30 **The myocardial architecture changes due to persistent pulmonary hypertension of the newborn in an ovine animal model (ID885)**  
*P. Agger; S. Lakshminrusimha; C. Laustsen; S. Gugino; J.R. Frandsen; M. Smerup; R.H. Anderson; V. Hjortdal; R.H. Steinhorn Aarhus, Denmark*

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14:30-16:30

HALL 2

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**Parallel Session: Genetics track II**

**Chairpersons:** *G. Buonocore* Siena, Italy; *A. Verloes* Paris, France

- 14:30-15:00 **Genetic susceptibility to white matter damage**  
*M.L. Krishnan* London, UK
- 15:00-15:30 **Genetic predisposition to bpd**  
*M. Hallman* Oulu, Finland
- 15:30-15:45 **Targeted next generation sequencing for mutation detection in neonatal and pediatric diffuse lung diseases (ID047)**  
*O. Danhaive; D. Peca; A. Angioni; R. Cutrera* San Francisco, USA
- 15:45-16:00 **Genetic inactivation of pdgfra leads to alveolar myofibroblast apoptosis, blocks alveogenesis and causes bpd in neonatal mice (ID348)**  
*C.-Y. Yang; C. Li; P. Minoo* Los Angeles, USA
- 16:00-16:15 **Cellular aging, measured as telomere attrition rate, is not accelerated in preterm infants during the first 18 months of life (ID727)**  
*E. Henckel; Z. Haider; P. Kosma; C. Palme-Kilander; G. Roos; S. Degerman; K. Bohlin* Stockholm, Sweden

16:15-16:30      **Quantification of the impact of pharmacogenetics on tramadol disposition in early infancy (ID095)**  
*K. Allegaert; R. van Schaik; V. Cossey; C. Vanhole; J. de Hoon; J. van den Anker; S. de Wildt Leuven, Belgium*

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14:30-16:30      HALL3

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**Parallel Session: Epidemiology track II**

**Chairpersons:** *T. Brink Henriksen; T. Williams*

14:30-15:00      **keynote lecture: Genetic & epigenetic epidemiology & congenital malformations**

15:00-15:15      **Congenital heart disease, placental anomalies and indices of fetal growth in a nationwide cohort of 931,174 liveborn infants (ID550)**  
*N.B. Matthiesen; T.B. Henriksen; J.W. Gaynor; P. Agergaard; C.C. Bach; V. Hjortdal; J.R. Ostergaard Aarhus, Denmark*

15:15-15:30      **Maternal overweight and obesity in early pregnancy and risk of infant mortality: a population based cohort study in sweden (ID342)**  
*S. Johansson; E. Villamor; M. Altman; A.K. Edstedt Bonamy; F. Granath; S. Cnattingius Stockholm, Sweden*

15:30-15:45      **Gilbert genotypes and respiratory disease in very preterm infants, a cohort study (ID031)**  
*J.P. Petersen; F. Ebbesen; M. V. Hollegaard; S. Andersson; D. M. Hougaard; O. Thorlacius-Ussing; T. Brink Henriksen Aarhus, Denmark*

15:45-16:00      **Congenital heart disease and indices of fetal cerebral growth in a nationwide cohort of 931,174 liveborn infants (ID722)**  
*N.B. Matthiesen; T. Brink Henriksen; J.W. Gaynor; P. Agergaard; C.C. Bach; V. Hjortdal; J.R. Ostergaard Aarhus, Denmark*

16:00-16:15      **Relative size at birth and parental cardiovascular morbidity, a national register study (ID870)**  
*P. Hovi; S. Alenius; S.P.K. Näsänen-Gilmore; M. Vääräsmäki; M. Gissler; E. Kajantie Helsinki, Finland*

16:15-16:30      **Early life exposure to endocrine disruptors and TSH levels in newborns – analysis of three European cohorts (ID184)**  
*M. de Cock; M.R. de Boer; E. Govarts; G. Schoeters; L. Palkovicova; T. Tmovec; N. Iszatt; M. Eggesbo; J. Legler; M. van de Bor Amsterdam, The Netherlands*

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14:30-16:30

HALL5

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**Parallel Session: Human milk for the smallest: Breast-feeding in the NICU**

**Chairpersons:** *H. van Goudoever* Amsterdam, The Netherlands; *G. Buonocore* Siena, Italy

14:30-15:00      **Human milk for preterm infants – a chance for future development**  
*H. van Goudoever Amsterdam, The Netherlands*

15:00-15:30      **Human milk in the NICU- impact on morbidity of preterms**  
*N. Haiden Vienna, Austria*

15:30-16:00      **The breastfeeding-friendly nicu**  
R. Flacking Sweden

16:00-16:30      **A preterm milk bank**  
*A. Flemmer Munich, Germany*

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17:00-18:00

PLENARY HALL

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**Plenary Session:**

***Chairpersons:***

17.00-17.30

**Preterm birth & metabolic syndrome in adults**

***U. Simeoni*** *Lousanne, Switzerland*

17.30 -18.00

**Nutrition-microbiota effects on gut, brain and immunity just after preterm birth (neomune)**

***P. Sanglid*** *Copenhagen, Denmark*

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18:00-19:30

PLENARY HALL

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**Satellite Symposium:**

***Chairpersons:***

*"industry-sponsored session" (please see part 2 page.....)*

**Saturday, September 19<sup>th</sup>, 2015**

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08:00-09:00

HALL 1

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**ESN Business Meeting**

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09:00-11:00

PLENARY HALL

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**Parallel Session: Metabolism and nutrition track III**

**Chairpersons:** J. Neu *Gainesville, USA*, N. Embleton *Newcastle, UK*

09:00-09:30 **Intestinal microbial ecology and environmental factors**

*J. Neu Gainesville, USA*

09:30-10:00 **Keynote Lecture: Placental microbiome**

*R. Diaz Hejtz Stockholm, Sweden*

10:00-10:15 **Fecal microbiota transplantation decreases necrotizing enterocolitis but is associated with increased neonatal mortality in preterm pigs (ID713)**

*L. Martin; M.S. Cillieborg; M.M. Birck; T. Thymann; P.T. Sangild Copenhagen, Denmark*

10:15-10:30 **Early postnatal hydrocortisone fails to protect against necrotizing enterocolitis in preterm pigs (ID692)**

*P.S. Worsøe; T. Skeath; M.M. Birck; T. Thymann; P.T. Sangild Copenhagen, Denmark*

10:30-10:45 **The effect of gestational age on the clinical presentation of severe necrotising enterocolitis: a uk population study (ID712)**

*C. Battersby; S. Mandalia; N. Fitz-Simon; N. Modi London, UK*

10:45-11:00 **A study of impact of standardised feeding regime and probiotics on incidence & severity of necrotizing enterocolitis in pre-term babies, a single centre experience (ID643)**

*K. Mansoor; A. Upasani; A. Minocha; O. Kazeem; R. Roy Norwich, UK*

09:00-11:00

HALL 1

**Pulmonary Symposium: Respiratory support**

**Chairpersons:** *A. Flemmer* Munich, Germany; *C.C. Roehr* Oxford, UK

09:00-09:25 **Non invasive hfov**

*D. de Luca*, Paris, France

09:25-09:50 **Non invasive ventilation**

*C. Moretti* Rome, Italy

09:50-10:15 **Volume guarantee (vg) ventilation**

*M. Sánchez-Luna* Madrid, Spain

10:15-10:30 **Volume guarantee on high frequency oscillatory ventilation in preterm infants: is it new lung protective strategy? (ID306)**

*B. Iscan; N. Duman; F. Tuzun; A. Kumral; H. Ozkan* Izmir, Turkey

10:30-10:45 **Extubate: a randomised controlled trial of nasal biphasic positive airway pressure vs. Nasal continuous positive airway pressure following extubation in infants less than 30 weeks' gestation (ID039)**

*S. Victor; S.A. Roberts; S.J. Mitchell; on behalf of Extubate Trial Group* Manchester, UK

10:45-11:00 **Interventions to improve rates of extubation success in preterm infants: a systematic review of the evidence (ID163)**

*K. Ferguson; C. Roberts; B. Manley; P. Davis* Melbourne, Australia

*"industry-sponsored session" (please see part 2 page.....)*

09:00-11:00

HALL 2

**Parallel Session: Infection track III**

**Chairpersons:** *B. Kramer* Maastricht, The Netherlands; *D. Haumont* Brussels, Belgium

09:00-09:30      **How collaboration can improve pharmacotherapy for antibiotics or nice guidelines and europe**

*M. Turner* Liverpool, UK

09:30-10:00      **TINN-1-2 & Neovanc - antibiotics**

*E. Jacqz-Aigrain* Paris, France

10:00-10:15      **Review of Second Line Antibiotic Choice on a Tertiary Neonatal Unit in the United Kingdom (ID615)**

*L. Perkins; J. Matthes* Cardiff, UK

10:15-10:30      **Nephrotoxicity related to vancomycin and amikacyn association in neonatal patients (ID813)**

*R. Bianchi; M.L. Pequeno; H. Souza; B. Santin; J. Roperio; S. Salman; R. Mason; S. Taniguchi* São Paulo, Brazil

10:30-10:45      **Screening for congenital cytomegalovirus (CMV) infection - are we getting it right? (ID131)**

*M. Parmar; S. Bhayat; P. Dobbs; A. Joshi; S. Parida; C.S. Narayanan; N. Merchant* Watford, UK

10:45-11:00      **Bacteriological safety in transport, a continuous challenge (ID421)**

*G. Jourdain; P. Quentin; V. Derouin; A. Boet; JL. Chabernaud; D. de Luca* Paris, France



09:00-11:00

HALL 3

**Parallel Session: Pharmacology track II**

***Chairpersons:***

- 09:00-09:30      **NEUROSIS – Inhalational steroids**  
*D. Bassler* *Tubingen, Germany*
- 09:30-10:00      **Pharmacological sedation in the newborn; did we find the holy grail yet**  
*D. Tibboel* *Rotterdam, The Netherlands*
- 10:00-10:15      **Reduction in prescription errors in a neonatal intensive care unit: a completed audit cycle (ID085)**  
*T. Fordham; H. Green; B. Qureshi; H. Ibrahim; N.V. Subhedar* *Liverpool, UK*
- 10:15-10:30      **New perspectives in neonatal analgesedation: dexmedetomidine (ID573)**  
*F. De Rienzo; I. Demarchi; C. Fiorito; D. Sola; S. De Franco; I. Stasi; M.R. Gallina; F. Ferrero* *Novara, Italy*
- 10:30-10:45      **SSRI/SNRI dose during pregnancy is associated with increased need for special nursery admission and resuscitation at birth (ID831)**  
*R. Kohan; C. Lewis; S. Robinson-Wolrath; T. Nguyen; F. Watt; J. Frayne; C. Saunders; S. Durack; L. Brennand; E. Nathan; J. Humphreys; D. Doherty* *Western Australia*
- 10:45-11:00      **Doxapram therapy in newborns; should we still use it? (ID282)**  
*R. Flint; N. Halbmeijer; I. Reiss; S. Simons* *Rotterdam, The Netherlands*

09:00-11:00

HALL 4

**Parallel Session: Brain track V**

**Chairpersons:** *P. Gressens Paris, France; I. Bendix Essen, Germany*

- 09:00-10:15      **Neuroprotection: Xenon**  
*D. Edwards London, UK*  
**Neuroprotection: EPO**  
*P. Huppi Genève, Switzerland*  
**Neuroprotection: Challenges of hypothermia treatment**  
*M. Szabó Budapest, Hungary*
- 10:15-10:30      **Neurodevelopmental outcome after early high dose recombinant human erythropoietin in very preterm infants: results of a randomized placebo-controlled, double-blind trial (ID432)**  
*G. Natalucci; B. Latal; B. Koller; C. Rüegger; B. Sick; L. Held; H.U. Bucher; JC. Fauchère; on behalf of the 'The Swiss EPO Neuroprotection Trial Group' Zurich, Switzerland*
- 10:30-10:45      **Fingolimod reduces neonatal white matter damage and long-term cognitive deficits (ID483)**  
*I. Bendix; M. Serdar; K. Kempe; J. Herz; K. Lumpe; B.S. Reinboth; S.V. Sizonenko; X. Hou; R. Hermann; M. Hadamitzky; R. Heumann; M. Sifringer; Y.v.d. Looji; U. Felderhoff-Müser Essen, Germany*
- 10:45-11:00      **The heme and radical scavenger  $\alpha$ 1-microglobulin (a1m) confers protection of the periventricular white matter following preterm intraventricular hemorrhage (ID862)**  
*S. Rutardottir; S. Sveinsdottir; S. R. Hansson; B. Åkerström; D. Ley; M. Gram Lund, Sweden*

09:00-11:00

HALL 5

**Parallel Session: Blood pressure and autoregulation**

**Chairpersons:** *M. Weindling* Liverpool, UK; *E. Verhagen*

- 09:00-09:30      **NIRS**  
*G. Greisen* Copenhagen, Denmark
- 09:30-10:00      **How to assess the circulation – cardiac function vs tissue oxygenation (pro-con debate)**  
*W. de Boode* Nymegen, The Netherlands
- 10:00-10:15      **Dopamine infusion improves cerebral autoregulation in newborn piglets (ID340)**  
*V.R. Eriksen; M. Rasmussen; G.H. Hahn; G. Greisen* Copenhagen, Denmark
- 10:15-10:30      **Exploring cerebral autoregulation (AR) in moderate and severe neonatal hypoxic ischemic encephalopathy (HIE) during whole body hypothermia (WBH) (ID688)**  
*P. López-Ortego; J. Riera; M.C. Bravo; L. Sanchez; R. Madero; E. Valverde; F. Cabañas; A. Pellicer* Madrid, Spain
- 10:30-10:45      **Optimal mean arterial blood pressure in preterm infants with less than 24 hours of age (ID819)**  
*C.S. da Costa; M Czosnyka; P. Smielewski; G. Stevenson; C. Kemp; T. Austin* Cambridge, UK
- 10:45-11:00      **Serum cortisol levels and hydrocortisone supplementation in systemic low blood pressure in asphyxiated newborns treated with hypothermia (ID758)**  
*K. Kovacs; A. Jermendy; A. Cseko; G. Bokodi; U. Meder; M. Szabo* Budapest, Hungary

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11:30-12:30

PLENARY HALL

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**IPRF Plenary Session**

*Chairpersons:*

11:30-12:00      **Targeted nanotherapies for perinatal brain injury**

*R. Kannan* Baltimore, USA

12:00-12:30      **EXOSOMES**

*S. Pluchino* Cambridge, UK

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13:30-15:00

PLENARY HALL

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**Poster Session: Epidemiology Poster Session2**

Chair persons: Luigi Gagliardi and Anne-Cathrine Finnemann Viuff

299, 272, 863, 307, 689, 598, 295, 868, 043, 313, 046, 400,640,857, 187, 469, 417, 609

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13:30-15:00

HALL 1

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**Poster Session: Perinatal care**

124, 508, 175, 125, 210, 014, 375, 208, 425, 644, 707, 709, 732, 837, 649, 825, ~~303~~, 736

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13:30-15:00

HALL 2

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**Poster Session: circulation 2**

Simon Hyttel-Sorensen, P.M.A. Lemmers Utrecht, The Netherlands

333, 412, 234, 564, 314, 587, 090, 334, 516, 606, 737, 520, 884, 581, 567, 057, 209, 164

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13:30-15:00

HALL 3

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**Poster Session: Nutrition and GASTROENTEROLOGY POSTER SESSION 2**

**Chairpersons:** *H. Varendi* Tartu, Estonia; *J. Neu* Gainesville, USA

859, 134 779, 628, 296, 248, 584, 226, 215, 494, 305, 786, 041, 774, 264, 249, 810, 714

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13:30-15:00

HALL 4

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**Poster Session: Brain 4**

**Chairpersons:** *L. Ramenghi* Genoa, Italy; P. Gressens **Paris, France**

045,241,156,097,293,129,405,534,088,446,860,654,247,285,004,577,377,404

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13:30-15:00

HALL 5

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**Poster Session: Pulmonary Poster Symposium 3: Lung Injury and BPD**

**Chairs:** Olivier Danhaive and Ulrich Thome

559,662,256,261,678,252,461,189,423,151,301,81,787,546,344,436,782,858

15:00-17:00

PLENARY HALL

**Parallel Session: Epidemiology track III**

*Chairpersons: T. Brink Henriksen; N.B. Matthiesen*

- 15:00-15:30      **keynote lecture: Diagnostic tests in neonatology**
- 15:30-15:45      **Incidence of acute kidney injury in premature infants according to akin criteria (ID604)**  
*F.S. Cardona; T.M. Ehringer; S. Dufek; L. Unterasinger; D. Csaicsich; C. Aufricht Vienna, Austria*
- 15:45-16:00      **Hypothermia and respiratory distress syndrome in premature infants (ID733)**  
*C.F. Jensen; F. Ebbesen; J.P Petersen; A.S. Sørensen; C.C. Bach; T.B. Henriksen Aarhus, Denmark*
- 16:00-16:15      **Predictors of hospital discharge in a swiss national cohort of very preterm infants (ID656)**  
*C. Rüegger; M. Adams; S. Schulzke; S. Wellmann; Swiss Neonatal Network Zurich, Switzerland*
- 16:15-16:30      **Perfluoroalkyl acid exposure and infantile colic: a study in the danish national birth cohort (ID490)**  
*C.C. Bach; I. Milidou; B.H. Bech; E.A. Nohr; C. Søndergaard; J. Olsen; T.B. Henriksen Aarhus, Denmark*
- 16:30-16:45      **Guidelines for Neonatal surgery in Italy: work in progress (ID732)**  
*I. Bernardini; M. Chiavarini; S. Tesoro; L. Marchesini; D. Bologni; W. Orlandi; M. Pioppo Perugia, Italy*
- 16:45-17:00      **Normal reference values for umbilical cord arterial ph in preterm and term infants (ID450)**  
*B. Skiöld; O. Stephansson; S. Johansson Stockholm, Sweden*

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15:00-17:00

HALL 1

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**Parallel Session: NICU design**

**Chairpersons:** *D. Haumont* Brussels, Belgium; *S. Mader* Munich, Germany

15:00-15:30      **keynote lecture: Guidelines for NICU design**

*R. White* South Bend, USA

15:30-15:45      **experiences from implementing a family-centred private room NICU**

*T. Mohns* Veldhoven, The Netherlands

15:45-16:00      **Rebuilding the unit: challenges and opportunities**

*B. Hallberg* Stockholm, Sweden; *S. Hegestam* Stockholm, Sweden

16:00-16:15      **Parents and hygiene - a contradiction**

*O. Helder* Rotterdam, The Netherlands

16:15-16:30      **Oral Communications**

16:30-16:45      **Oral Communications**

16:45-17:00      **Oral Communications**

15:00-17:00

HALL 2

**Parallel Session: Preterm-related diseases & inflammation**

**Chairpersons**

- 15:00-15:30      **Developmental regulation of inflammation in the preterm gut. Implications for neonatal necrotizing enterocolitis**  
*B. Kramer* Maastricht, The Netherlands
- 15:30-16:00      **pulmonary inflammation in BPD - implications for a multimodal concept of prevention and therapy**  
*C.P. Speer* Würzburg, Germany
- 16:00-16:15      **Inhaled nitric oxide decreases mortality in infants less than 28 weeks gestation following preterm prelabour rupture of membranes (ID845)**  
*S. Pal; G.J. Belteki; G. Vass; T. Ibrahim; P. Clarke; Z. Molnar; Y. Singh; A.E. Curley*  
Cambridge, UK
- 16:15-16:30      **Cord blood pentraxin-3 levels in respiratory disorders of the newborn (ID197)**  
*M.O. Arslanoglu; E.C. Dinleyici; N. Tekin; T. Barsan Kaya; O. Aydemir; M.A. Aksit*  
Eskisehir, Turkey
- 16:30-16:45      **Ultraviolet-c irradiation of donor human milk improves growth, intestinal function and systemic immunity in preterm pigs (ID799)**  
*Y. Li; D.N. Nguyen; M. de Waard; A.M. Bojesen; T. Thymann; S.B. Bering; P.T. Sangild*  
Copenhagen, Denmark
- 16:45-17:00      **Transcriptomics profiling of human necrotizing enterocolitis (ID108)**  
*E. Tremblay; M.P. Thibault; E. Ferretti; C. Babakissa; V. Bertelle; M. Bettolli; K. Burghardt; J.F. Colombani; D. Gynspan; E. Levy; S. Mayer; D. Ménard; O. Mouterde; I.B. Renes; E.G. Seidman; J.F. Beaulieu* Sherbrooke, Canada



15:00-17:00

HALL 3

**Parallel Session: Metabolism and nutrition track IV**

**Chairpersons:** *M. Domellöf Umea, Sweden; A. Lapillonne Paris, France*

15:00-15:30      **Preterm metabolic phenotype**  
*R.K. Pejaver Bangalore, India*

15:30-16:00      **Nutritional value of protein-hydrolysed formulae**  
*C. Agostoni Milan, Italy*

16:00-16:15      **Growth and development of piglets fed infant formulas varying in protein quantity and quality (ID687)**  
*P.S. Worsøe; J.B. van Goudoever; B. Koletzko; E.M. van der Beek; M. Abrahamse-Berkeveld; B.J.M. van de Heijning; P.T. Sangild; T. Thymann Copenhagen, Denmark*

16:15-16:30      **Initiation of enteral feeding diet-dependently affects intestinal dna methylation in preterm pigs (ID680)**  
*X. Pan; F. Gao; T. Thymann; P. Sangild Copenhagen, Denmark*

16:30-16:45      **Dynamics of DNA methylation at IGF2 in preterm and term infants during the first year of life (ID622)**  
*C. Piyasena; J. Cartier; B. Khulan; K. French; G. Menon; J. Seckl; R. Reynolds; A. Drake Edinburgh, UK*

16:45-17:00      **Understanding the available data: A comparison of observational studies and randomized trials of surgical treatments for necrotizing enterocolitis (ID579)**  
*A.E. van Heeswijk; M.L. Rush; H. Kirpalani; S.B. De Mauro Philadelphia, USA*

15:00-17:00

HALL 4

**Parallel Session: Brain track VI**

**Chairpersons:** *B. Hallberg* Stockholm, Sweden; *N. Marlow* London, UK

- 15:00-15:20      **Chemical biomarkers to predict brain injury (general, specific)**  
**S. Carloni, F. Proietti** Urbino, Italy
- 15:20-15:40      **Biomarkers of oxidative stress for the early identification of brain damage**  
**G. Buonocore** Siena, Italy
- 15:40-15:55      **Regional cerebral oxygenation as measured by near-infrared spectroscopy (NIRS) is related to neurodevelopmental outcome at 2 years of age (ID544)**  
**T. Alderliesten; I.C. van Haastert; W. Baerts; N.E. van der Aa; L.S. de Vries; C. Koopman; F. van Bel; P.M.A. Lemmers** Utrecht, The Netherlands
- 15:55-16:10      **Validation of cerebral NIRS oximetry in newborn piglets (ID700)**  
**M. Rasmussen; V. Eriksen; S. Hyttel-Sorensen; G. Greisen** Copenhagen, Denmark
- 16:10-16:25      **EEG background activity and seizure burden are associated with brain injury on mri and neurodevelopmental outcome in full-term infants with hypoxic-ischaemic encephalopathy (ID472)**  
**L. Weeke; G. Boylan; R. Pressler; B. Hallberg; F. Groenendaal; L. de Vries** Utrecht, The Netherlands
- 16:25-16:40      **Altered Sleep Spindle Activity May Reflect Impaired Thalamocortical Connectivity in Very Preterm Children and Adolescents (ID655)**  
**F. Wehrle; B. Latal; R. O'Gorman; C. Hagmann; R. Huber** Zurich, Switzerland

15:00-17:00

HALL 5

**Parallel Session: Communication with parents for neonatal professionals**

**Chairpersons:** *S. Mader* Munich, Germany

15:00-16:00 **Family centred neonatal care à l'edmonton, canada! A collaborative journey of families, staff and physicians**

*M. Panas* Edmonton, Canada; *J. Tyebkhan* Edmonton, Canada; *L. Hendson* Edmonton, Canada

16:00-16:15 **Anxiety and depression in mothers and fathers of a very preterm born child after hospital discharge (ID186)**

*M. Jeukens-Visser; M. Husson; K. Koldewijn; A. Wassenaer-van Leemhuis; M. Flierman; D. Meijssen; P. van Schie* Amsterdam, The Netherlands

16:15-16:30 **Developing collaboration between staff and parents in the NICU, Honved Korhaz, Budapest Hungary (ID237)**

*Z. Boukydis; C. Nador; B. Schill; A. Lengyel* Budapest, Hungary

16:30-16:45 **Parent and nurse perspectives on parental participation and support in 11 European NICUS (ID288)**

*A. Axelin; S. Raiskila; B. Westrup; B. Silnes Tandberg; L. Lehtonen; SCENE research group* Turku, Finland

16:45-17:00 **Macro- and microanalysis of early mother-preterm infant interactions: implications for preventive intervention (ID374)**

*E. Kiepora; G. Kmita* Warsaw, Poland

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17:30-19:30

PLENARY HALL

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**Satellite Symposium:**

*Chairpersons:*

*"industry-sponsored session" (please see part 2 page.....)*

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17:30-18:30

HALL 1

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**ESPR Business Meeting**

**Sunday, September 20<sup>th</sup>, 2015**

09:00-11:00

PLENARY HALL

**Parallel Session: The prevention of Rh diseases: a Global Eradication Program**

***Chairpersons: G. Buonocore* Siena, Italy; *A. Zipursky* Toronto, Canada**

09:00-09:30

**The global problem of rh hemolytic disease of newborns**

***A. Zipursky* Toronto, Canada**

09:30-10:00

**The creation of a global program for the prevention of rh diseases**

***V. Bhutani* Stanford, USA**

10:00-10:15

**Utilities for disability in a developing country: provider perspectives (ID338)**

***S. Jondhale; E. Spiegel; I. Brajkovic; J. Partridge; V. Bhutani; P. Kumar Chandigarh, India***

10:15-10:30

**Global Prevention of Rh-sensitization: An interactive, community-centered social platform (ID894)**

***A.R. Stark; J.Y. Hall; A. Zipursky; V.K. Bhutani* Stanford, USA**

10:30-10:45

**Feasibility of using the eldon card in the peripartum diagnosis of rh incompatibility between mothers and their newborns (ID419)**

***B.Q.Goka; S.A. Obed; A.B. Akwasi-Kumah; I.O. Koranteng; M.A. Nuamah; V. Beyuo; S.A. Oppong; M. Torto* Accra, Ghana**

10:45-11:00

**Point-of -Care detection of Rh negative pregnant women for the prevention of Rh iso – immunization (ID808)**

***K.J. Hedegaard* Denmark**

09:00-11:00

HALL 1

**Parallel Session: Chronic lung disease and lung injury**

**Chairpersons:** *K. Bohlin Stockholm, Sweden; M. Roth*

09:00-09:45

**Steroid profilaxis**

*I. Kocsis Budapest, Hungary*

**Late pulmonary deterioration: another new form of bpd**

*V. Carnielli Ancona, Italy*

09:45-10:00

**Early Low-Dose Hydrocortisone Improves Survival without Bronchopulmonary Dysplasia in Extremely Preterm Infants: a Randomised, Double-Blind, Placebo-Controlled, Multicenter Trial (ID350)**

*O. Baud; C. Alberti; for the PREMILOC study group Paris, France*

10:00-10:15

**Plasma pro-endothelin-1 and pro-atrial natriuretic peptide as early biomarkers for development of bronchopulmonary dysplasia in very preterm infants (ID694)**

*R. Gerull; R. Neumann; M. Nelle; S. Schulzke; S. Wellmann Berne, Switzerland*

10:15-10:30

**Regulation of autotaxin and lysophosphatidic acid receptors 1 and 3 in the developing rat lung (ID780)**

*G.H. Shim; H.-S. Kim; E.S. Kim; K.-Y. Lee; E.-K. Kim; J.-H. Choi Seoul, Korea*

10:30-10:45

**Impact of whole body cooling on respiratory outcomes in meconium aspiration syndrome: international multicentre retrospective study (ID358)**

*D. de Luca; D. Tingay; L. Perkins; A. van Kaam; A. Debray; C. Boussard; E. Valverde; S. Ares-Segura; M.P. De Carolis; C.C. Roehr; R. Jeenakeri; E.M. de Albuquerque-Diniz; C.E. Valdo-Carlomagno; W. Brunow de Carvalho; O. Danhaive; F. Mosca; P.G. Matassa; V. Vendettuoli; G. Conti; L. Lanciotti; V.P. Carnielli; M. Piastra Paris, France*

10:45-11:00 Timely in-hospital vaccination of vlbw infants reduces the rate of bronchitis after discharge of vlbw infants (ID252)  
*G. Stichtenoth; C. Härtel; E. Herting; W. Göpel; GNN Network Lübeck, Germany*

09:00-11:00

HALL 3

**Parallel Session: Pharmacology track III**

***Chairpersons:***

09:00-09:30 PK MODELLING

*Z. Wei*

09:30-10:00 PK/PD AND DEEP TISSUES ISSUES.

*J. van de Anker Washington, USA*

10:00-10:15 Pharmacokinetics of antenatal magnesium sulfate in preterm infants for neuroprotection (ID677)

*N. Merchant; A. Hawaa; A.D. Edwards; E. Mulder; J. Derks; K. Keunen; C. Sol; H. Hagberg; M. Benders London, UK*

10:15-10:30 Low concentration pentoxifylline alone or combined with dexamethasone or azithromycin inhibits tlr-mediated inflammatory cytokine production in human neonates and adults (ID672)

*E. Speer; D. Dowling; L. Ozog; A. Chander; J. Xu; J. Yang; O. Levy Stony Brook, USA*

10:30-10:45 Determination of optimal dosing of recombinant human IGF-1/IGFBP-3 to establish and maintain physiological intrauterine serum igf-1 levels in preterm infants (ID239)

*B. Hallberg; I. Hansen-Pupp; J.-K. Chung; J. Sharma; G. Fetterly; M. Mascelli; N. Kreher; N. Barton; A. Hellström; D. Ley Stockholm, Sweden*

10:45-11:00 Risk assessment based on an experimental model to evaluate compatibility of recombinant IGF-1/IGFBP-3 with intravenous medications commonly administered in the neonatal environment (ID268)

*M. Turner; A. Bandekar; N. Barton; T. Hsiao; E. Jochim; J. Knaack; N. Kreher; B. Mangum; C. McPherson; S. Tenjarla; N. Salamat-Miller Liverpool, UK*

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09:00-11:00

HALL 4

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**Parallel Session: Brain track VII**

**Chairpersons:** *S. Counsell London, UK; S. Horch*

09:00-09:30      **New imaging techniques - Ultrafast doppler**

*M. Tanter Paris, France*

09:30-10:00      - **Connectivity in the preterm baby**

*M. Benders Utrecht, Netherlands*

10:00-10:15      **A 3D map of ischemic stroke frequency in the neonatal brain (ID717)**

*C. Stephan-Otto; G. Arca-Diaz; A. Garcia-Alix Barcellona, Spain*

10:15-10:30      **Corpus callosum-fastigium length; a new sonographic marker for preterm brain growth (ID390)**

*J.A. Roelants; I.V. Koning; M.M.A. Raets; S.P. Willemsen; I.K.M. Reiss; M.J. Vermeulen; P. Govaerts; J. Dudink Rotterdam, The Netherlands*

10:30-10:45      **Late Preterm Children Show an Altered Developmental Trajectory for Cortical Thickness (ID007)**

*J.E. Brumbaugh; E. Axelson; A. Conrad; P. Nopoulos Iowa City, USA*

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11:30-13:00

PLENARY HALL

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**Plenary Session:**

**Chairpersons**

11:30-12:00      **Ethical challenges for the future**

*A. Janvier, Canada*

12:00-12:30      **WHO millenium**

*B. Daelmans*

12:30-13:00      **Closing Words**



## Sponsored Sessions

**Tuesday, September 15<sup>th</sup>, 2015**

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09:00–17:00

HALL 1

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### Pre Congress Course: ESN Course 1: Lung

08:30 – 08:45      **WELCOME**

08:45 – 09:15      **THE PHYSIOLOGY OF BREATHING**

*S. Hooper Monash, Australia*

09:15 – 09:45      **NEONATAL RESPIRATORY FAILURE: A PATHOPHYSIOLOGICAL APPROACH TO  
RESPIRATORY MANAGEMENT**

*O. Danhaive*

09:45 – 10:15      **SURFACTANT: FROM BIOLOGY TO CLINICAL INDICATIONS**

*D. de Luca Paris, France*

10:15 -10:45      Coffee

10:45 – 12:15      **WORKSHOPS 2 X 45 MIN**

**SKILLS STATION 1 - DR VENTILATION AND RESPIRATORY FUNCTION  
MONITORING**

*A. te Pas Leids, The Netherlands; C.C. Roehr Oxford, UK*

**SKILLS STATION 2 - CONVENTIONAL MECHANICAL VENTILATION IN PRACTICE**

*R. Hentschel Freiburg, Germany*

12:15 -13:15      Lunch

13:15 -14:45      **WORKSHOPS 2 X 45 MIN**

**SKILLS STATION 3 - ULTRASOUND OF THE LUNG IN PRACTICE**

*L. Cattarossi Udine, Italy; F. Raimondi Naples, Italy*

**SKILLS STATION 4 – SURFACTANT ADMINISTRATION – MIST, LISA OR INSURE?**

*K. Bohlin Stockholm, Sweden; D. de Luca, Paris, France*

|               |  |
|---------------|--|
| 14:45 – 15:15 | Coffee   |
| 15:15 – 15:45 | <b>HIGH FREQUENCY OSCILLATORY VENTILATION – WHAT, WHEN AND HOW</b><br><i>A. Flemmer Munich, Germany</i>      |
| 15:45 – 16:15 | <b>NON-INVASIVE VENTILATION MODES: WHAT'S NEW AND WHAT DO WE KNOW?</b><br><i>K. Bohlin Stockholm, Sweden</i> |
| 16:15 – 16:45 | <b>PULMONARY CIRCULATION MANAGEMENT IN NEONATAL RESPIRATORY FAILURE</b><br><i>O. Danhaive</i>                |
| 16:45 – 17:00 | <b>Evaluation and summary</b>  |

*“Supported by an unrestricted educational grant by Chiesi”*

**Tuesday, September 15<sup>th</sup>, 2015**

09:00–17:00

HALL 1

**Pre Congress Course: Making it meaningful - Driving effective communication between premie parents and professionals**

- 09:00 – 09:30     **Welcome – introduction and objectives**  
*HCP Chair and representatives from EFCNI and COINN TBC*
- 09:30 – 10:00     **A Premie Parent's Story – insight in to what the experience of being a premie parent is and what HCPs can do to help make the journey easier for parents**  
*Parent of Premie TBC*
- 10:00 – 10:45     **The Premie parent journey – insights from global parent research**  
*D. Gray, Patient Relations, AbbVie*
- 10:45 – 11:30     **Parent burden study – key findings from relevant health economics and outcomes research**  
*P. Vo, HEOR, AbbVie*
- 11:30 – 12:00     **Discussion and Q&A**  
*Chair TBC (healthcare professional)*
- 12:00 – 13:00     Lunch Break
- 13:00 – 16:00     **HCP TRACK 1 (doctors):**
- 13:00 - 13:45     **Part 1: Understanding risk communications**  
*J. Paling, Risk Communication Institute*
- 13:45 – 15.45     **Part 2: Communications training**
- **Barriers to effective HCP/parent communication**
  - **How do I get my message across and make sure it is heard**
  - **Asking the right questions and understanding non-verbal communication**
  - **Practical exercises**
- M. Devan, Point Taken*

13:00 – 16:00 **HCP TRACK 2 (nurses)**

13:00 – 13:45 **Part 1: Led by COINN**

*Representative from COINN TBC*

13:45 - 15:45 **Part 2: Communications training**

- **Barriers to effective HCP/parent communication**
- **How do I get my message across and make sure it is heard**
- **Asking the right questions and understanding non-verbal communication**
- **Practical exercises**

*B. Rogers, Point Taken*

13:00 – 15:45 **Parent Track: Capability workshop What are the skills and capabilities that make parent organizations most successful?**

- **Building a successful parent group – roadmap to success**
- **Learnings from the parent experience**

*A representative from EFCNI - TBC and parent of premie - TBC*

15:45 – 16:00 Coffee Break

16:00 – 16:45 **Key insights from break-outs and plan for action**

**Overview from EFCNI, COINN and HCP pulling together key learnings and action points from the day**

*HCP Chair and representatives from EFCNI and COINN – TBC*

16:45 – 17:00 **Conclusion and thank you**

*HCP Chair and representatives from EFCNI and COINN - TBC*

*“Supported by an unrestricted educational grant by Abbvie”*

**Thursday, September 17<sup>th</sup>, 2015**

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17:30-18:30

PLENARY HALL

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**Plenary Session: Bengt Robertson Honorary**

**Chairpersons:** *L. Zimmermann Maastricht, The Netherlands; K. Bohlin Stockholm, Sweden*

17.30-18.00 **Bengt Robertson Award**  
**M. Hallman Oulu, Finland**

18.00 -18.30 **lung ultrasound as a predictor of mechanical ventilation in neonates older than 32 weeks (ID399)**  
***J. Rodriguez-Fanjul; C. Balcells; V. Aldecoa-Bilbao; J. Moreno; M. Iriondo Barcellona, Spain***

*“Supported by an unrestricted educational grant by Chiesi”*

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18:30-20:00

PLENARY HALL

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**Satellite Symposium: TO THE NICU AND BEYOND**

*Chairpersons: L. Zimmermann Maastricht, The Netherlands*

18:30-19:00 **BPD – Is there a ripple effect?**  
***J. Hascoet, France***

19:00-19:30 **Surfactant Dose - Another Perspective**  
***D. de Luca, Paris, France***

19:30-20:00 **The Late Preterms: Are They On Our Radar?**  
***E. Boyle, UK***

*“Supported by an unrestricted educational grant by Chiesi”*

**Friday, September 18<sup>th</sup>, 2015**

18:00-19:30

PLENARY HALL

**Satellite Symposium:**

***Chairpersons:***

*“Supported by an unrestricted educational grant by Nestlé”*

**Saturday, September 19<sup>th</sup>, 2015**

09:00-11:00

HALL 1

**Pulmonary Symposium: Respiratory support**

***Chairpersons: A. Flemmer* Munich, Germany; *C.C. Roehr* Oxford, UK**

09:00-09:25

**Non invasive hfov**

***D. de Luca*, Paris, France**

09:25-09:50

**Non invasive ventilation**

***C. Moretti* Rome, Italy**

09:50-10:15

**Volume guarantee (vg) ventilation**

***M. Sánchez-Luna* Madrid, Spain**

10:15-10:30

**Volume guarantee on high frequency oscillatory ventilation in preterm infants: is it new lung protective strategy? (ID306)**

***B. Iscan; N. Duman; F. Tuzun; A. Kumral; H. Ozkan* Izmir, Turkey**

10:30-10:45

**Extubate: a randomised controlled trial of nasal biphasic positive airway pressure vs. Nasal continuous positive airway pressure following extubation in infants less than 30 weeks' gestation (ID039)**

***S. Victor; S.A. Roberts; S.J. Mitchell; on behalf of Extubate Trial Group* Manchester, UK**

10:45-11:00

**Interventions to improve rates of extubation success in preterm infants: a systematic review of the evidence (ID163)**

***K. Ferguson; C. Roberts; B. Manley; P. Davis* Melbourne, Australia**

*“Supported by an unrestricted educational grant by Chiesi”*

**Saturday, September 19<sup>th</sup>, 2015**

17:30-19:30

PLENARY HALL

**Satellite Symposium:**

***Chairpersons:***

*“Supported by an unrestricted educational grant by Capnia”*

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