

The 2017 Stockholm Ultra-Early Intervention Conference, 23 March 2017.

Organising Committee

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Björn Westrup, MD PhD

Veronica Berggren, RN BScN

Ann-Sofi Ingman, RN BScN NIDCAP Trainer

Stina Klemming, MD

Boubou Hallberg, MD PhD

Faculty - speakers

Karl Rombo, Parent Rep, EFCNI, Svenska Prematurförbundet. Medical student

"Karl Rombo is the chairman of the Swedish parent organization Svenska Prematurförbundet, as well as a professional opera singer and medical student at Karolinska Institutet, Stockholm. Karl is very involved in the patient issues regarding premature babies in Sweden and has given a number of presentations both in public and to HCP:s about his experiences as a father. He was also key speaker at the Jens Pre-congress in Budapest 2016. Karls daughter is now well and constantly singing her way through life"

Karl.rombo@gmail.com

Colwyn Trevarthen, is Professor (Emeritus) of Child Psychology and Psychobiology

Colwyn Trevarthen, is Professor (Emeritus) of Child Psychology and Psychobiology at Edinburgh University. He took a PhD in brain science at the California Institute of Technology with Roger Sperry, and began infancy research at the Harvard Center for Cognitive Studies in 1967 with Jerome Bruner and Berry Brazelton. He studies how rhythms and expressions of emotion in movement animate social awareness in children, learning of cultural skills and language, and sustain mental health. With musician Stephen Malloch he edited Communicative Musicality: Exploring the Basis of Human Companionship, OUP 2009. He has honorary degrees from the Universities of Crete and East London, and Queen Margaret University in Edinburgh; is a Fellow of the Royal Society of Edinburgh, a Member of the Norwegian Academy of Sciences and Letters, and a Vice-President of the British Association for Early Childhood Education.
<c.trevarthen@ed.ac.uk>

Christine Moon, Ph.D., Research Psychologist

Dr Moon received her doctorate in experimental psychology at Columbia University in New York City with a specialty in psycholinguistics. She subsequently spent five years in the Department of Developmental Psychobiology on the Columbia Health Sciences campus before moving to Washington State. Dr Moon has had a long-standing research interest in very early learning, especially during the fetal and neonatal periods, and she has conducted experiments with neonates on retention of prenatal auditory experience. She is co-founder of the International Perinatal Brain and Behavior Network, a satellite of the

International Society for Developmental Psychobiology. She currently is Professor of Psychology at Pacific Lutheran University (mooncm@plu.edu) and Affiliate Associate Professor in Speech and Hearing Sciences at the University of Washington (mooncm@uw.edu).

Pierre Kuhn, MD, PhD Neonatologist

"Pierre Kuhn is a senior neonatologist, Professor of paediatrics at the University Hospital of Strasbourg (France). His research focuses on the sensory sensitivities of preterm infants, and on the evaluation of the impact of the hospital environment on newborn infants. His PhD in Neuroscience focussed on the auditory sensitivity of preterm infants at the "Laboratoire de Neuroscience Cognitive et Adaptative" (Strasbourg, CNRS-UdS). He has spent one full year (2013) in Stockholm at the Karolinska Institute (KI) and still collaborates with the neonatal research unit of Astrid Lindgren Hospital at KI. He recently joined the Institut de Neurosciences Cognitives et Intégratives (CNRS Strasbourg, France). He is experienced in developmental care and is the vice-chair of the EFCNI Topic Expert Group of Infant-Family-Centred Developmentally Supportive Care. He is also one coordinator of the Group of Reflection and Evaluation of the Environment of Newborns of the French Neonatal Society (GREEN de la SFN). Pierre.kuhn@chru-strasbourg.fr

Manuela Filippa, PhD, Developmental Psychologist

Got her PhD in Developmental Psychology at the University of Paris Oest Nanterre, and her postdoc at Paris Descartes University, she studies the effects of maternal voice on premature infant's development in collaboration with international research centers. Musician by training, she teaches Psychology of Music and Music Education at the University of Valle d'Aosta, she became expert in the field of music psychopedagogy and early childhood. She has taken part in numerous research projects on the ontogenesis of musical abilities, she published texts, contributions and articles. The last popular science books for teachers, parents and infants, Sounds Drops (2014), In a nest of sounds (2016) and Singing for infants (2016). Her research interests mainly focus on bio-behavioural effects of singing on preterm and newborn infants, early vocal contact, non-verbal vocal communication abilities and ontogenesis of musical experience. Manuela.filippa@gmail.com

Friederike Haslbeck PhD, DMtG, SFMT

Friederike Haslbeck PhD, DMtG, SFMT is a trained musician, post-doc research fellow and clinical music therapist at the Clinic of Neonatology, University Hospital Zurich and University Hospital Bern, Switzerland. She is part of the Zurich Newborn Research Group. She lectures at various Universities, invented and runs the certified NICU Music Therapy Training for German speaking countries and has published various articles and book chapters around the topic of music therapy in neonatal care. Friederike.Haslbeck@usz.ch

Pernilla Hugoson

Pernilla Hugoson is a PhD student in Music Therapy at University of Jyväskylä, Finland and Karolinska Institute, Sweden. She is also a music therapist and has her background in music teaching where she worked with children with developmental delays and disabilities such as autism. Her PhD project concerns how to support parents to sing to their premature born babies during kangaroo care in an early family centred music therapy intervention in the NICU and if parental singing can improve language development for the babies and foster attachment/bonding between parent and child.

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Petra Hüppi, MD PhD

Prof. Petra Hüppi, is a clinician in paediatrics. Since 1998 she runs the Child Development Unit and the Division of Development and Growth at the Department of Paediatrics, Geneva University Hospitals, Switzerland. Next to her clinical work, Petra Hüppi is a full professor at the University of Geneva and has international research activities with a visiting scientist position at Harvard Medical School in Boston, USA. She has directed numerous research projects both at Harvard Medical School and the University of Geneva, aimed at the better understanding of early human brain development. Her research has helped in a major way to understand the specific brain deficits found in prematurely born children, highly relevant for the cognitive and socio-emotional development of children and adolescents. Petra Hüppi's international status is further documented through her various commitments in major scientific societies and organizations. Currently she serves as a Board of Trustee member of the International Society for Magnetic Resonance in Medicine (ISMRM) and is an elected member of the National Research Council of both Switzerland and France. In order to join forces to study scientifically both the care and medical interventions on children's long-term development, Petra Hüppi founded the European association for developmental care (EADCare: <http://www.eadcare.org/site/fr/contact>) Petra.Huppi@hcuge.ch

Ulrika Åden, MD PhD Neonatologist

Ulrika Åden is a neonatologist and professor in neonatology at Dept of Women's and Children's Health at Karolinska Institute. The research of her group is divided into the following main work streams:

1. Experimental models of asphyxial encephalopathy and white matter injury: characterization of long term inflammation and behavioural follow-up of experimental neonatal brain damage. 2. Neonatal brain imaging using magnetic resonance imaging for diagnosis of brain damage and prediction 3. Long term follow-up of children with risk for neonatal brain damage in particular children born preterm.

Ulrika.aden@ki.se

Minna Houtilainen PhD

Minna Huotilainen, PhD, docent in cognitive science, Erik Allardt Fellow at Swedish Collegium of Advanced Study, Uppsala, Sweden. Minna Huotilainen works in the field of cognitive neuroscience and is specialised in auditory perception, attention and memory across the life span, including adolescents, children, infants and even fetuses. Her work has shown many perceptive and learning capabilities of the neonatal auditory system related to both speech and musical sounds. She has shown that the auditory system collects speech and music-related information from sounds originating from outside the mother's body during the fetal period and retains the memories even after birth. She has also worked on the effects of musical hobbies on children and adolescents. In addition, her work includes occupational applications of neuroscience. minna@huotilainen@helsinki.se

Faculty - moderators

Boubou Hallberg MD PhD, Neonatologist

Boubou Hallberg is a neonatologist and Head of Neonatology at Karolinska University Hospital. His main area of research is brain protection. Dr Hallberg has also been very much involved in NICU design and implementation of family centred neonatal couplet care and he is chairing the EFCNI Topic Expert Group of NICU Design. Boubou.hallberg@sl.se

Hugo Lagercrantz, MD PhD, Neonatologist

Hugo Lagercrantz was appointed professor of paediatrics at the Karolinska Institute 1989. He is editor-in-chief for Acta Paediatrica. He has been a member of the Nobel Assembly and the Nobel Committee. He has a long experience in family centred developmentally supportive care and is medical director of the board of Karolinska NIDCAP Training Center. His research has involved many different areas, e.g., levels of catecholamines in infants during normal birth (“The stress of being born”), apnoea of prematurity and the sudden infant death syndrome (SIDS), brain development particularly of children who are born too early, how consciousness emerges and what happens when there is an abnormal development of the brain. He is the main editor of the book the “Newborn Brain – neuroscience and clinical applications (Cambridge University Press). Hugo.lagercrantz@ki.se

Lena Hellström-Westas, MD PhD, Neonatologist

Lena Hellström-Westas is a neonatologist and professor in Perinatal Medicine at Uppsala University. She has a long experience in family centred developmentally supportive care and is medical co-director of the board of Karolinska NIDCAP Training Center. Her main field of research is brain development, brain physiology and gender aspects of the prematurely born infant. lena.westas@kbh.uu.se

Björn Westrup, MD PhD, Neonatologist

Björn Westrup is a senior consultant in neonatology and Director of the Karolinska NIDCAP Training Center at Astrid Lindgren Children's Hospital, Karolinska University Hospital. His field of research is mainly medical and physiological aspects of developmentally supportive care, family centred care and iron metabolism. He has been director of the Karolinska NIDCAP Training Center since its start in 1999. It was the first NIDCAP Center in Europe and has played a major role in the development of other European centres. Dr Westrup has pioneered the development of family centred developmentally supportive couplet care – a care model that minimize the separation of infant from its mother by if needed providing medical care also for the mother together with her infant in the neonatal unit. Dr Westrup and he is chairing the EFCNI Topic Expert Group of Patient- and Family-centred Developmentally Supportive Care. Bjorn.westrup@ki.se