

# 25th Neonatal Neurology Symposium January 26 Odeon Theater Zwolle

## “Connected Care in Neonatal Neurology”

Dear colleagues and friends,

We wish you a warm welcome to the **25th edition of the annual Neonatal Neurology Symposium** of the Dutch Flemish workgroup Neonatal Neurology on **Friday the 26th of January 2024** in the Odeon theater Zwolle.

We offer an informative and inspiring scientific program with the latest insights into current research in the field of neonatal neurology in Belgium and the Netherlands. This symposium is a perfect stage for students and young scientists to present their work in a stimulating environment. We will award the best Pitch contribution with the Young investigator award.

Since Zwolle is the national expertise and coordination center in the field of neonatal hearing screening, special attention is paid to hearing development and music therapy.

Because of the anniversary edition there are a lot of invited keynote speakers and there is a special guest and music at the end of the symposium.

On behalf of the organizing committee, we hope to see you in Zwolle.

*Susanne Mulder-de Tollenaer, Karin de Graaff-Korf, Dr. Maarten Blanken, Esther Wijnands, Eva Baas*

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### Registration

Admission fee € 80 ; Nurses and (PhD) students € 55

Please register here:

[https://docs.google.com/forms/d/1CXt-Jy9I5XDKOoy8aT6nlkVdj69JMckd4V722ltseXI/viewform?pli=1&pli=1&edit\\_requested=true](https://docs.google.com/forms/d/1CXt-Jy9I5XDKOoy8aT6nlkVdj69JMckd4V722ltseXI/viewform?pli=1&pli=1&edit_requested=true)

### Accreditation

NVK, NVN, NAPA, V&VN, , NVOG, NVVR: 6 points

### Location details

Odeon Theater, Blijmarkt 25, 8011 ND, Zwolle

Zwolle Central Station  11 min  3 min

[Q-park Maagjesbolwerk](#)  5 min

[Parkeergarage Emmawijk](#)  8 min

[Parkeerterrein Burgemeester van Roijensingel](#)  7 min

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If you have any questions do not hesitate to contact us at: [neonatologie@isala.nl](mailto:neonatologie@isala.nl)

## Program of the 25th Neonatal Neurology Symposium (morning)

9:00 Arrival and registration

9:30 Introduction: Susanne Mulder de Tollenaer on behalf of the organizing committee

### 9:40 – 11:00 **Session 1 Fetal Neurology & Genetics**

Chairs: Dr. Wendy Manten, Joost Bosma (Isala)

9.40 Keynote: Perinatal Neuroradiology - moving from images to data. Prof. Dr. Gregor Kasprlan, Neuroradiologist (Medical University of Vienna)

10.20 Keynote: Latest insights neonatal neurogenetics. Dr. Fleur Vansenne, Clinical Geneticist (UMCG)

10.40 Pitch: Cord blood insulin-like growth factor 1 and insulin-like growth factor binding protein 3 levels correlate with perinatal brain growth in neonates with congenital heart disease. Maaïke Nijman (UMCU)

10.47 Pitch: Lack of Association Between Asymmetric Finger Postures in Preterm Infants with Normal Fidgety Movements and Unilateral Cerebral Palsy at 5 Years of Age. Karianne Kraft (UMCG)

10.52 Pitch: The use of a combination of simple MRI white matter imaging rules to predict the motor outcomes in preterm infants. Veerle Boer (LUMC)

### 11.00-11.25 **Coffee break**

### 11.25-12.30 **Session 2 Neonatal Neurology and Imaging**

Chair: Dr. Sylke Steggerda (LUMC)

11.25 Keynote: The value of postmortal MRI in neonates. Dr. Laura.W. de Jong, Radiologist (Isala)

11.45 Keynote: Diffusion MRI tractography. The latest techniques. Anouk Verschuur, Technical Physician, Researcher at the department of Radiology

12.00 Pitch: PIXIE-study: Therapeutic Hypothermia in Neonates with Hypoxic-ischemic Encephalopathy over the past fifteen years: a single-centred retrospective observational study. Bo van Oldenmark (LUMC)

12.07 Pitch: Individualized Neuroprognostication in Neonates with Hypoxic-Ischemic Encephalopathy by Combining Clinical Factors, Neurophysiology, and Neuroimaging. Andrea van Steenis (LUMC)

12.13 Pitch: The influence of perinatal arterial ischemic stroke on contralesional brain volumes. Lianne Baak, Kirsten Straatman\* (UMC Utrecht)

12.20 In homogeneous Magnetization Transfer Imaging in Extremely Preterm Neonates at 7T. Inge van Ooijen (UMC Utrecht)

### 12.30-13.30 **Lunch**

### 12.50-13.20 **Meeting members Neonatal Neurology**

## Program of the 25th Neonatal Neurology Symposium (afternoon)

### 13.30-15.00 **Session 3 Neonatal Neurology and Hearing**

Chair: Karin de Graaff-Korf (Isala)

- 13.30 Keynote: Ecologies in clinical Neuromusicology: Creative AI, Music Sciences and Healthcare Applications in Neonatal Intensive Care. Dr. Artur Jaschke. Neuromusicologist. University of Cambridge, Department of Psychiatry. University Medical Centre Groningen, Department of Neonatology). ArtEZ University of the Arts, Department of Music Therapy
- 13.50 Keynote: Maturation of the auditory system in normal hearing newborns with a very or extremely premature birth. Dr. Paula van Dommelen, Researcher at the department of Child Health (TNO)
- 14.10 Keynote: Interactive musical therapy. Anne-Greet Ravensbergen, Music Therapist (UMCG)
- 14.30 Pitch: A rare cause of neonatal encephalopathy. Annemarie Plaisier (LUMC)
- 14.37 Pitch: Efficacy of Levetiracetam as add-on therapy in the treatment of seizures in neonates. Mathies Rondagh (LUMC)
- 14.44 Pitch: Brain injury patterns and neurodevelopmental outcome in preterm infants with perinatal asphyxia. Corline Parmentier\* (UMC Utrecht), Loubna el Bakkali (UMC Amsterdam)
- 14.51: Pitch: Long term Outcome After Neonatal Pyridoxine Trial; LOAN-PT. Anouk Steegh (Maxima Medisch Centrum Veldhoven)

### 15.00-15.25 **Coffee break**

### 15.25-16.30 **Session 4 Neonatal Neurology and the journey to Home & Adulthood**

Chair: Susanne Mulder-de Tollenaer (Isala)

- 15.25 Key Note: The role of a neurologist after Neonatal neurologic problems. Dr. Kirsten Heineman, Pediatric Neurologist (UMCG)
- 15.40 Key Note: The role of a Specialist in Rehabilitation Medicine after Neonatal neurologic problems. Anne Marieke Dommissie, Specialist in Rehabilitation Medicine (Isala, Zwolle)
- 15.55 Key Note: You could be a hero too. Dr. Angelique Hoffman-Haringsma, Pediatrician-Neonatologist (Franciscus Gasthuis, Rotterdam)
- 16.10 Pitch: Ouderperspectief op kwaliteit van leven in het eerste levensjaar van kinderen die op de NICU opgenomen hebben gelegen. Dr. Hanneke van Dokkum (UMCG)
- 16.17 Pitch: Pinpointing social vulnerabilities and a preterm behavioural phenotype in school-aged preterm-born children without complications. Tiffany Tang (UZ Leuven)
- 16.24 Pitch: Outcome of infants after therapeutic hypothermia for HIE at 5 years. Dorian Blommaert (UMCG)
- 16.31 Pitch: Neural evidence of diminished social tuning of prematurely born preschoolers towards voices voices but not faces. Rowena Van den Broeck (UZ Leuven).
- 16:50 **Young investigator award**

17:00 – 19:00 Drinks, Snacks and Music

## Dank aan onze sponsoren

