



EUROPEAN ASSOCIATION FOR DEVELOPMENTAL CARE | EADCare  
ASSOCIATION EUROPEENNE POUR LES SOINS DE SOUTIEN AU DEVELOPPEMENT | AESSD

# Advancing in Early Paediatric Rehabilitation and Motricity

Bridging the gap between research and clinical practice

Friday 11<sup>th</sup> October, 2024  
Campus Biotech, Geneva, Switzerland

On behalf of the European Association of Developmental Care (EADCare), we are delighted to extend an invitation at our upcoming Congress on Advancing in Early Pediatric Rehabilitation and Motricity.

The event is scheduled to take place on Friday 11<sup>th</sup> October 2024, at Campus Biotech in Geneva, Switzerland.

Our principal aim is to bring together professionals and experts in the field of paediatric rehabilitation, and motricity, to explore the latest advancements in the field and to collectively bridge the gap between research and practice for the benefit of the paediatric population.

More specifically, our congress is dedicated to achieving several key objectives:

*Knowledge Exchange:* We aim to create a context for the exchange of knowledge, research findings, and best practices in paediatric rehabilitation and motricity.

*Innovative Therapeutic methods:* We will showcase innovative therapies, and interventions that empower healthcare professionals to face developmental disabilities and patient's physical and developmental challenges.

*Multidisciplinary Collaboration:* The congress will foster interdisciplinary collaboration among experts in various fields, including pediatrics, rehabilitation, neurology, physical therapy, and more...

**By exploring the latest research and evidence-based approaches, with a specific attention to early diagnosis, early intensive rehabilitation and innovative approach we aim at improving patient outcomes and enhance the quality of life for the children and their families.**

## Key Topics

Our congress will cover a wide range of topics, including but not limited to:

- Early diagnosis tools for CP
- Innovative early interventions and the importance of developmental milestones
- Cognitive and psychosocial aspects of cerebral palsy and motor disabilities
- The role of motor therapy in presence of cerebral palsy and motor disabilities
- Advances in technology and assistive devices for children with mobility challenges, towards an individualized medicine

We look forward to your presence and your invaluable contribution in the field. Together, we can make this event a remarkable and insightful experience.

**Organizing and scientific Committee:**

Prof. Petra Hüppi, Dre Marine Cacioppo, Mme Myrtha Martinet, Mme Mireille Rossi, Mme Manuela Filippa, Dre Cristina Borradori PD, Dr Joël Fluss PD, Prof. Stéphane Sizonenko



*Courtesy of parents and Prof. Y. Bleyenheuft*

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## Program

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### Welcome

8.30-8.45 Petra Hüppi, President of EADCare

### Interplay between motricity and cognition

**Petra Hüppi**

- **8h45-9h15 Catherine Thevenot:** Early motricity and cognition: The relation between finger counting and arithmetical skills.
- **9h15-9h45 Christine Assaiante:** Visual factors in the child's gait: effects on locomotor skills

### Improving diagnosis of Cerebral Palsy

**Joel Fluss**

- **9h45-9h15h15 Andrea Guzzetta:** Screening and markers for cerebral palsy
- **10h15-10h45 Marine Cacioppo – Christopher Newman:** From laboratory to daily life: how do children with CP move?

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## 10h45-11h15 Coffee

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### Early intervention I

**Marine Cacioppo**

- **11h15-11h35: Stéphane Sizonenko:** Biological changes induced by HABIT-ILE like early intervention in preclinical CP model.
- **11h35-12h05 Yannick Bleyenheuft:** Intensive interventions in toddlers and infants with cerebral palsy: insights from 4 randomized trials using hand and arm bimanual intensive therapy including lower extremities (HABIT-ILE)
- **12h05-12h30 Parents:** The HABIT-ILE experience as seen by parents

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## Lunch and poster viewing 12h30-14h00

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### Early intervention II

**Cristina Borradori Tolsa**

- **14h00-14h30 Rachel Bard-Pondaré:** Early parental bimanual stimulation: feasibility and impact on bimanual function in babies at risk or with cerebral palsy
- **14h30-15h Marianne Barbu-Roth:** Early crawling training after NICU discharge: a solution to improve motor and cognitive development in very premature infants?
- **15h-15h30 Chantal Junker-Tschopp:** Psychomotricity in the care of Cerebral Palsy

### New technologies for rehabilitation

**Stéphane Sizonenko**

- **15h30-16h Sebastian Grunt:** Assessing rehabilitation effects in pediatric hemiparesis through Brain Imaging: Insights into Neuroplasticity
- **16h-16h30 Adrian Guggisberg:** Non-invasive brain stimulation in adults and implications for children with CP
- **16h30-16h45 Joël Fluss:** Conclusions and perspectives

Talks in English or French with slides in English

### Posters

You are welcome to submit abstract of your work for poster presentation.

Deadline for submission is **20 September 2024**, one page, 250 words maximum, send to [contact@eadcare.org](mailto:contact@eadcare.org)

### Registration

Registration is open until **Sunday 6 October**, Fees 170.- CHfr.

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[Link for registration and payment](#)

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**Continuous education credits :**

Société Suisse de Pédiatrie and Société Suisse de Neuropédiatrie : 6 credits

For Société Suisse de Pédiatrie du Développement and Swiss Physiotherapy pending.

**Speakers :**

**Prof. Petra S. Hüppi** : Division of Child Development and Growth, Geneva University Hospitals, Switzerland.

**Prof. Catherine Thevenot** : Brain and Cognitive Development Laboratory (LABCD), Institute of Psychology, University of Lausanne, Switzerland

**Prof. Christine Assaïante** : Cognitive Neurosciences Laboratory, CNRS, Aix-Marseille University, France

**Prof. Andrea Guzzetta** : Stella Maris Infant Lab for Early Intervention, University of Pisa, Italy

**Dr. Marine Cacioppo** : Pediatric Neurology Unit, Geneva University Hospitals, Switzerland

**Prof. Christopher Newman** : Pediatric Neurology and Neurorehabilitation Unit, Nestlé CHUV Hospital, Lausanne, Switzerland

**Prof. Stéphane Sizonenko** : Division of Child Development and Growth, Geneva University Hospitals, Switzerland.

**Prof. Yannick Bleyenheuft** : Institute of Neuroscience, Catholic University of Louvain, Brussels, Belgium

**Parents**, Geneva

**Rachel Bard-Pondarré**: Pediatric neuro-orthopedics, Centre des Massues - French Red Cross, Lyon, France

**Dr Marianne Barbu-Roth**: Integrative Neuroscience & Cognition Center-UMR 8002 CNRS-University of Paris Cité, Paris, France

**Prof. Chantal Junker-Tschopp** : School of Social Work, psychomotricity section, Geneva, Switzerland

**Prof. Sebastian Grunt** : Development and Rehabilitation Unit, Pediatric Clinic, Inselspital, University Hospital Bern, Switzerland

**Prof. Adrian Guggisberg**: Division of Neurorehabilitation, Geneva University Hospitals, Switzerland

**Dr. Joël Fluss**: Pediatric Neurology Unit, Geneva University Hospitals, Switzerland

**Dr. Cristina Borradori**: Division of Child Development and Growth, Geneva University Hospitals, Switzerland