

FEBRUARY 6-7, 2025 ✨ BARCELONA



INTERNATIONAL SYMPOSIUM

# Neurodevelopmental Syndromes and Movement Disorders

🌐 [www.paedmovdisorders.com](http://www.paedmovdisorders.com)

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MANY THANKS

## Thursday, February 6th

13:00-13:10	Welcome words
13:10-15:50	Session I - Neurobiological basis of neurodevelopmental and movement disorders
15:50-17:00	Discussion and Coffee Break
17:00-19:40	Session II - Neurodevelopment and neurodegeneration

## Friday, February 7th

8:30-9:50	Session III - Behavioral abnormalities in movement disorders
9:00-10:50	Discussion and Coffee Break
10:50-14:00	Session IV - Neurodevelopmental and epileptic encephalopathies
14:00-15:00	Lunch
15:00-17:40	Session V - Movement disorders and comorbidities across the lifespan
17:40-18h10	Discussion and Symposium closure

**13:00-13:10**    **Welcome words**

**13:10-15:50**    **Session I - Neuobiological basis of neurodevelopmental and movement disorders**

*Chair : Michael Zech – Emilio Fernández-Álvarez*

13:10-13:50    Developmental and epileptic encephalopathies: from genetic heterogeneity to phenotypic continuum

13:50-14:30    Neurodevelopmental synaptopathies: Insights from behaviour in rodent models of synapse gene mutations

14:30-15:10    Human Brain Connectivity in Movement and Neurodevelopmental Disorders

15:10-15:50    There is still room for neurophysiology in the genomics era?

**15:50-16:20**    **Discussion**

**16:20-17:00**    **Coffee Break**

**17:00-19:00**    **Session II - Neurodevelopment and neurodegeneration**

*Chairs : Jaume Campistol – Alexis Arzimanoglou*

17:00-17:40    Key biological pathways

17:40-18:20    Neurodevelopmental disorders leading to parkinsonism

18:20-19:00    Spectrum of genetic and non-genetic neurodevelopmental disorders leading to neurodegenerative movement disorders

**19:00-19:20**    **Discussion**



**8:00-8:30**      **Welcome**

**8:30-10:20**      **Session III – Behavioral abnormalities in movement disorders**  
*Chairs : Toni Pearson – Birgit Assman*

- 8:30-9:10      Repetitive and stereotyped behaviors in neurodevelopmental disorders
- 9:10-9:50      Tics and Tourette syndrome
- 9:50-10:20      Comorbid autism traits in children with movement disorders

**Discussion**

**10:20-10:50**      **Coffee Break**

**10:50-14:00**      **Session IV - Neurodevelopmental and epileptic encephalopathies**  
*Chairs : Angels García-Cazorla - Darío Ortigoza*

- 10:50-11:30      Overview of developmental and epileptic encephalopathies and movement disorders
- 11:30-12:10      Emerging genetic insights in DEEs and associated movement disorders: navigating the transition from pediatric to adult care
- 12:10-12:50      The spectrum of SYNGAP1 encephalopathies
- 12:50-13:30      Are different approaches needed for treating or designing treatments for movement disorders in DEEs?

**13:30-14:00**      **Discussion**

**14:00-15:00**      **Lunch**

**15:00-17:40**      **Session V - Movement disorders and comorbidities across the lifespan**  
*Chairs : Nardo Nardocci – Michael Krüer*

- 15:00-15:40      Neurodevelopment and movement disorders into the adulthood
- 15:40-16:20      Is there an intersection between psychiatric disorders and movement disorders?
- 17:00-17:40      Movement Disorders across the lifespan of patients with inborn errors of metabolism

**17:40-18:10**      **Discussion**

**18:10**      **Symposium closure**

