

**Under the High Patronage of  
Mr Emmanuel MACRON  
President of the French Republic**

European Academy of Childhood Disability

**France**

Congress Center  
La Villette,  
Cité des Sciences  
et de l'Industrie

**Paris**



**May 23-25 2019**

[www.eacd2019.org](http://www.eacd2019.org)



**Innovation for  
participation**





# Friday 24<sup>th</sup> May - Global timetable

## CAPTION



IC = Instructional Courses  
 MS = Mini-Symposium  
 OC = Oral Communications  
 ■ = By invitation only  
 F = Families

	Amphi Gaston Berger (898 seats)	Audito Louis Armand Ouest (210 seats)	Audito Louis Armand Est (210 seats)	Salle AB (60 seats)	Salle CD (60 seats)	Salle 1 (70 seats)	Salle 2 (75 seats)	Salle 3 (75 seats)	Salle 4 (70 seats)
7h30	<b>IC (p.22)</b> Managing pain to promote participation in individuals with cerebral palsy	<b>IC (p.24)</b> Looking for guides of cognitive assessment in cerebral palsy	<b>IC (p.26)</b> The Functional Communication Classification System (FCCS)...	<b>IC (p.28)</b> Innovative approaches and adaptations to be considered in the diagnostic assessment for autism spectrum...		<b>IC (p.32)</b> Computer games for balance training in children with cerebral palsy	<b>IC (p.34)</b> A toolbox for participation-focused therapy - practical guide for therapists to enable participation in physical activities for youth with physical disabilities	<b>IC (p.36)</b> Posture and mobility: bridging the gap between research and practice	<b>Musculation à haute intensité : utopie ou révolution ! (CDI) (p.38)</b>
8h45									
9h00	Keynotes (p.22)								
	Daphné Bavelier								
	Bryce Johnson								
10h00	Coffee break and posters								
10h45	<b>OC (p.22)</b> Cognition and speech	<b>EACD EPNS joint session (p.24)</b> The molecular basis of hereditary spastic paraplegia	<b>MS (p.26)</b> Muscle health and function in cerebral palsy: what you need to know	<b>MS (p.28)</b> Imaging and hand function for an early diagnosis of unilateral cerebral palsy after asymmetric perinatal brain injury	<b>MS (p.30)</b> Theoretical and methodological basis for international early intervention projects	<b>OC ESMAC EACD joint session (p.32)</b> Motion, EMG and sensors	<b>MS (p.34)</b> Ageing with cerebral palsy: age trajectories of musculoskeletal, cardiometabolic, and psychological morbidities	<b>MS (p.36)</b> Population-based surveillance of cerebral palsy indicates a decline in overall prevalence	<b>MS (p.38)</b> Ensuring stakeholder engagement in the creation of new digital platforms: knowing what tomorrow's needs are today
12h00									
12h15	Lunch and posters								
		<b>Laboratoire Roche sponsored symposium (p.24)</b>	<b>Allergan commercial symposium</b>						
13h00									
13h15	Keynotes (p.23)								
	Freeman Miller								
	Yannick Bleyenheuft								
14h15									
14h30	<b>OC (p.23)</b> Therapies, toxins and user-experiences	<b>OC (p.25)</b> Surgery and new knowledge	<b>MS (p.27)</b> Ethical issues in neurodevelopment disability: an open forum on how to address them	<b>MS (p.29)</b> Novel paradigms to assess spatial skills and perspective taking in action in children...	<b>OC (p.31)</b> Imaging	<b>MS (p.33)</b> Innovation in assessments, diagnostics and classification of Cerebral Visual Impairment (CVI)	<b>OC (p.35)</b> Service provision and epidemiology	<b>MS (p.37)</b> The contribution of MRI to our understanding of cerebral palsy	<b>MS (p.39)</b> Clinically relevant outcome measures for patients with neuromuscular diseases...
15h45	Coffee break and posters								
16h30	Keynote (details p.23) Lee Ridley ("Lost Voice Guy")								
17h00	Announcements								
17h15									
17h30	<b>OC (p.23)</b> Cerebral palsy	<b>MS (p.25)</b> A global agenda for children with disabilities	<b>OC (p.27)</b> New evidence in assessments	<b>MS (p.29)</b> Genomics of cerebral palsy: perspectives on the impact of genomics on diagnosis, etiologic work-up,...	<b>MS (p.31)</b> Long-term development into adulthood and personal experiences of participation of individuals with CP...	<b>MS (p.33)</b> Surgical management of spasticity in the upper limb: which surgery for which patients?	<b>OC (p.35)</b> Visual sensory	<b>MS (p.37)</b> Parents and professionals: we are in the same boat, but can we row in the same direction ?...	<b>MS (p.39)</b> Future twist in participation : why and how to promote meaningful participation of children and young adults with disabilities?
18h45									

# Saturday 25<sup>th</sup> May - Global timetable

## CAPTION

IC = Instructional Courses 
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	Amphi  Gaston Berger (898 seats)	Audito Louis Armand Ouest (210 seats)	Audito Louis Armand Est (210 seats)	Salle AB (60 seats)	Salle CD (60 seats)	Salle 1 (70 seats)	Salle 2 (75 seats)	Salle 3 (75 seats)	Salle 4 (70 seats)
7h30	<b>IC (p.40)</b> Early diagnosis of Cerebral Palsy (CP): translating the 2017 international guidelines...	<b>IC (p.41)</b> Towards assessment and intervention of swallowing and feeding in the child with cerebral palsy...	<b>IC (p.42)</b> Occupational performance coaching with parents and teachers of children with neurodisability	<b>IC (p.43)</b> A framework for developing clinical guidelines and policies in special schools and residential settings	<b>IC (p.44)</b> Urotherapy in incontinent children with cerebral palsy	<b>IC (p.45)</b> Introduction into the neurological scale of the Standardized Infant NeuroDevelopmental Assessment (SINDA)	<b>IC (p.46)</b> RaceRunning, innovation for participation	<b>IC (p.47)</b> CP commons: an informatics platform for storing and sharing cerebral palsy clinical and genomic data	<b>La place des aides instrumentales respiratoires dans la rééducation du sujet PC (CDI) (p.48)</b> 
8h45									
9h00	Keynotes (p.40)								
	Arnold Munnich								
	Matthieu Chatelin								
10h00	Coffee break								
10h45	<b>MS (p.40)</b> Closing the gap between what cerebral palsy consumers want and what they get from research	<b>OC (p.41)</b> Health issues and childhood disabilities	<b>OC (p.42)</b> Child and family - Session 2	<b>OC (p.43)</b> Basic science	<b>MS (p.44)</b> What does the term "motor learning-based treatment approach" mean in theory and practice?	<b>MS (p.45)</b> Innovative technologies for early detection of neurocognitive compromise	<b>MS (p.46)</b> The role of music in fetal and post-natal neurodevelopment...	<b>MS (p.47)</b> Home-based assessment and rehabilitation of upper limb in children with unilateral cerebral palsy	
12h00									
12h15	Keynote (p.40) Bernard Dan								
12h45	Closing ceremony								
13h00									






# Thursday 23<sup>th</sup> May - Amphi Gaston Berger Timetable - MORNING

7h30	<p><b>IC: Developing a clinical practice guideline regarding functional therapy in cerebral palsy: utilising the GRADE and AGREE II framework - Iona Novak (Ref. 9369)</b></p> 	
8h45		
9h00	<p><b>Opening Ceremony</b> Ricardo Ribera</p> 	
9h45	<p><b>Keynotes</b></p> 	
	<p><b>“Turn the Tide on Transition to Promote Participation” - Jan Willem Gorter</b></p>	
	<p><b>“How Cerebral Palsy gave me a career in Tech” - Farida Bedwei</b></p>	
10h45	<p><b>Coffee break and posters</b></p>	
11h30	<p><b>OC: Technology and assistive devices</b></p> 	
	8201	<p>Critical reflection on walking devices for children with cerebral palsy (CP) and introducing an innovative walking aid providing alignment and enabling individually adjusted support</p> <p>Ria Cuppers</p>
	8971	<p>The effect of different walking devices on body functions, activity and participation in children with cerebral palsy; a systematic literature review</p> <p>Jo Lebeer</p>
	7619	<p>A wearable pediatric exoskeleton for progressive reduction of crouch gait in individuals with Cerebral Palsy (CP)</p> <p>Diane Damiano</p>
	9374	<p>Innovative robotic walker promotes exercise and participation in adolescents with cerebral palsy</p> <p>Anna McCormick</p>
	8998	<p>Comparing participation levels of children with CP According to use of orthosis and assistive devices</p> <p>Mintaze Kerem-Günel</p>
	7940	<p>A randomized cross-over design evaluating the effects of using a rehabilitation-specific gaming software platform for the achievement of individual physiotherapy goals of children with severe spastic cerebral palsy</p> <p>Sophie Decavele</p>
	7860	<p>Eye-tracking technology in children with dyskinetic cerebral palsy: the efficacy of a five-week intervention on eye-tracking performance, quality of life and participation</p> <p>Saranda Bektashi</p>
	9219	<p>An evidence-based model for decision making in augmentative and alternative communication: findings from the I-ASC project</p> <p>Juliet Goldbart</p>
12h45		

# Thursday 23<sup>th</sup> May - Amphi Gaston Berger Timetable - AFTERNOON

14h00	<b>Keynotes</b> 	
	“Active ingredients of rehabilitation for children with Cerebral Palsy” - Roslyn Boyd	
	“Unmasking the black box of participation-focused therapy for children with cerebral palsy” - Leane Sakzewski	
	“Merging psychological theory with a neurodiversity framework for better autism interventions” - Sue Fletcher-Watson	
15h15		
15h30	MS: The f-words in childhood disability: innovation & impact on participation around the world - Peter Rosenbaum  (Ref. 8014)	
16h45	<b>Coffee break and posters</b>	
17h30	<b>OC: Child and family - Session 1</b>	
	8077	Researchers and parents: essential partners in participatory childhood disability research Monika Novak-Pavlic
	3227	Training to enhance family-centered care: an intervention effectiveness study Liat Gafni-Lachter
	7695	People with cerebral palsy and their family’s opinion regarding genomics research and international data sharing Yana Wilson
	9301	Innovation in stakeholder engagement in research - a Canadian network perspective Keiko Shikako-Thomas
	7794	Marfan syndrome in adolescents: perspectives on restrictions in daily functioning and participation; barriers, facilitators and support needs Jessica Warnink-Kavelaars
	7730	Parental burnout among parents with child with chronic condition Sarah Perier
	7578	Co-construction of child personas in the development of a digital communication support system for increased participation in pediatric habilitation Britta Teleman
	3763	3D printing and assistives devices: from patient to designer Helene Le Tallec de Certaines
18h45		

# Thursday 23<sup>th</sup> May - Audito Louis Armand Ovest Timetable - MORNING

7h30	<b>IC: The development and application of clinical knowledge in cerebral palsy - Adam Shortland</b> (Ref. 7983)		
8h45			
10h45	<b>Coffee break and posters</b>		
11h30	<b>OC: Physical activities and community inclusion</b>		
	7504	Update on evidence for interventions to improve participation in physical activities and habitual physical activity level in children with cerebral palsy	Sarah Reedman
	7848	Improving body functions of youth with physical disabilities through participation in community activities: an evaluation	Dana Anaby
	7697	Mum, for the first time, I feel like I belong somewhere: strength-based computer coding groups for adolescents with autism	Matthew Jones
	8028	Content validity and feasibility of ActiveYou 1 - a new web-based instrument for mapping activity references in children and adolescents with disabilities	Lars-Kristian Dalen
	7072	Raising the bar: sports-focussed gross motor assessments for ambulant children with cerebral palsy	Georgina Clutterbuck
	8193	Sports participation in children with neonatal brachial plexus palsy	Menno Van Der Holst
	8191	The perceived effects of taking part in RaceRunning on health and wellbeing	Marietta Van Der Linden
	7876	Facilitators of participation in the home, school and community environments for children with disabilities participating in an all abilities community sport program	Sian Williams
12h45			
13h00			
14h00	<b>EACD GMC &amp; National Coordinators meeting</b>		

# Thursday 23<sup>th</sup> May - Audito Louis Armand Ouest Timetable - AFTERNOON

15h30

## OC: Motor therapies and fun!



8126	Constraint-induced movement therapy in children with unilateral cerebral palsy: a cochrane review update	Brian Hoare
7712	Bimanual intensive training with or without a lower extremity component: are the changes in upper extremities affected?	Geoffroy Saussez
7884	Therapy disguised as fun: How an adaptive bungee trampoline programme hid the physical therapy for children with cerebral palsy	Sian Williams
9175	Is adapted cycling training achievable in children with cerebral palsy with poor motor function?	Cloé Dussault-Picard
9284	Effect of a trunk-targeted rehabilitation on trunk control deficit and gait disorders in children with cerebral palsy	Jonathan Pierret
5038	The effectiveness of task oriented arm strength training on body function, arm hand activity and participation level	Eugene Rameckers
7775	Effectiveness of a novel task-specific approach for attaining two-wheel bicycle related goals: a randomised controlled trial	Rachel AM Toovey
8017	Is more frequent physical therapy a success factor for enhanced gross motor progress in children with cerebral palsy? A national prospective cohort study	Gunfrid Størvold

16h45

## Coffee break and posters

17h30




**IC: PREP 101: an innovative environment-based Intervention approach for improving participation of children and youth with disabilities - Dana Anaby (Ref. 7652)**






18h45



# Thursday 23<sup>th</sup> May - Audito Louis Armand Est Timetable - MORNING

7h30	<b>IC: Building capacity in family engagement in research: how do we move from participation to meaningful partnership? - Marjolijn Ketelaar</b> (Ref. 8098) 		
8h45			
10h45	<b>Coffee break and posters</b>		
11h30	<b>OC : Progress in diagnostics</b> 		
	7906	Relationship between neonatal MRI, clinical assessment scores and neurodevelopmental outcomes at 2 years corrected age in very eterm born infants	Joanne George
	2645	Quality of motor behaviour in infancy is associated with neurological and cognitive function at school age	Ying-Chin Wu
	9394	Implementation Science (IS) decreases age at Cerebral Palsy (CP) diagnosis below 12 months in a multicenter clinical network	Nathalie Maitre
	8181	Assessment of motor repertoire predicts neurodevelopmental outcomes in very preterm infants	Colleen Peyton
	7608	Corticospinal connectivity patterns and motor outcome in infants with early brain injury	Jesse Kowalski
	8374	The hammersmith infant neurological Examination: edicting outcomes other than cerebral palsy?	Domenico Romeo
	7546	The impact of timing of the brain lesion and corticospinal tract organization on mirror movement characteristics in children with unilateral cerebral palsy	Cristina Simon-Martinez
	8173	Potentials of lung ultrasound for the assessment of feeding-related aspiration in infants: a pilot study	Simona Fiori
12h45			
13h00	<b>SFERHE General Meeting</b> 		
14h00			



# Thursday 23<sup>th</sup> May - Audito Louis Armand Est Timetable - AFTERNOON

15h30	<p><b>MS:</b> Innovative robotic technology promotes neurorehabilitation: past, present and future - Anna McCormick (Ref. 9389)</p> 		
16h45	<p><b>Coffee break and posters</b></p>		
17h30	<p><b>OC: Transition and lifespan perspectives</b></p> 		
	8043	Importance of stakeholder involvement in the creation of digital platforms for people with cerebral palsy and their families	Tracy Pickar
	7638	Level of disability and participation and the readiness of transition to adulthood for youth with cerebral palsy	Zane Rožkalne
	5000	TranXition: A new rehabilitation paradigm to enhance social participation of youth with disabilities transitioning to adulthood	Isabelle Cormier
	8127	Emerging evidence for accelerated aging through longitudinal evaluation of cardiovascular disease risk factors in individuals with cerebral palsy	Patrick McPhee
	8105	Pain, fatigue and sleep disturbances in young adults with cerebral palsy	Marloes Van Gorp
	7113	Quality of life vs discrimination, autonomy and inclusion in day centers for adults with cerebral palsy	Mariana Carvalho
	7210	Developing an ICF Core set for adults with cerebral palsy	Suzie Noten
	8741	Here we are together, at home you are alone: the social processes of a group based intensive rehabilitation program for young adults with disabilities	Mette Miklos
18h45	<p><b>EACD Annual General Meeting</b></p> 		
19h45			



# Thursday 23<sup>th</sup> May - Salle AB Timetable - MORNING



# Thursday 23<sup>th</sup> May - Salle AB Timetable - AFTERNOON



15h30	<p><b>IC:</b> Play ball! Getting children with disabilities onto the sports field with practitioner-led sports groups - Georgina Clutterbuck (Ref. 2933)</p> 
16h45	<p><b>Coffee break and posters</b></p>
17h30	<p><b>MS:</b> Home-based bimanual training based on motor learning principles in children with unilateral cerebral palsy and their parents: rationale, protocols, effects, process evaluation, and family perspective - Laura Beckers (Ref. 8168)</p> 
18h45	

# Thursday 23<sup>th</sup> May - Salle CD Timetable - MORNING



7h30	<p><b>IC:</b> Clinical practice guidelines for characterization of spasticity, dystonia and choreoathetosis in cerebral palsy - Elegast Monbaliu (Ref. 8027)</p> 
8h45	
10h45	<p><b>Coffee break and posters</b></p>
11h30	<p><b>MS:</b> Assistive technology innovations for communication and mobility in cerebral palsy - Alistair McEwan (Ref. 7484)</p> 
12h45	





# Thursday 23<sup>th</sup> May - Salle CD Timetable - AFTERNOON

15h30	<p><b>IC:</b> Early detection of high risk of cerebral palsy using the Hammersmith Infant Neurological Examination (HINE) - Leena Haataja (Ref. 7844)</p> 
16h45	<p><b>Coffee break and posters</b></p>
17h30	<p><b>MS:</b> Eyes on communication: a Delphi study to build consensus on content of clinical guidelines for assessment and implementation of eye-gaze control technology for children and adults with cerebral palsy - Petra Karlsson (Ref. 7656)</p> 
18h45	



# Thursday 23<sup>th</sup> May - Salle 1 Timetable - MORNING

7h30	<p><b>IC:</b> Visual function deficit: from early detection to early intervention - Daniela Ricci (Ref. 8032)</p> 
8h45	
10h45	<p><b>Coffee break and posters</b></p>
11h30	<p><b>MS:</b> Multidisciplinary and patient-centered management in Arthrogyriposis Multiplex Congenita (AMC) - Klaus Dieterich (Ref. 7867)</p> 
12h45	

# Thursday 23<sup>th</sup> May - Salle 1 Timetable - AFTERNOON

15h30	<p><b>IC:</b> Movement disorder childhood rating scale: are there now adequate psychometer prproperties to use it in multicentre national/international studies on dyskinetic cerebral palsy? - Roberta Battini (Ref. 8166)</p>	
16h45	<p><b>Coffee break and posters</b></p>	
17h30	<p><b>MS:</b> Prevention, evaluation and management of pain in people with cerebral palsy: multidisciplinary team approach - Heakyung Kim (Ref. 7585)</p>	
18h45		

# Thursday 23<sup>th</sup> May - Salle 2 Timetable - MORNING



6h45	<p><b>IC:</b> Multichannel neuromuscular stimulation: NMES-assisted gait for children with cerebral palsy - Kelly Greve (Ref. 8150)</p> 
8h45	
10h45	<p><b>Coffee break and posters</b></p>
11h30	<p><b>MS:</b> The contribution of four French rare diseases networks to improve diagnosis, research and care in rare diseases with neurodevelopmental, neurological, inherited metabolic and/or muscular manifestations - Vincent des Portes (Ref. 8131)</p> 
12h45	

# Thursday 23<sup>th</sup> May - Salle 2 Timetable - AFTERNOON





# Thursday 23<sup>th</sup> May - Salle 3 Timetable - MORNING

7h30	<p><b>IC:</b> Ecologically valid tools for the assessment of executive functions and attention among children and adolescents with acquired brain injury - Mathilde Chevignard (Ref. 5087)</p> 
8h45	
10h45	<p><b>Coffee break and posters</b></p>
11h30	<p><b>MS:</b> ICF: A hands-on Approach for clinicians and families - Olaf Kraus de Camargo (Ref. 7663)</p> 
12h45	

# Thursday 23<sup>th</sup> May - Salle 3 Timetable - AFTERNOON

15h30

## OC: Autism

9032	Rethinking trajectories and outcomes in autism	Stelios Georgiades
8099	Autism spectrum disorder and attention-deficit/hyperactivity disorder in children with cerebral palsy - more common than we think?	Magnus Pählman
6031	Parcellation analysis of language areas of the brain and its clinical association in children with autism spectrum disorder	Beena Koshy
389	Neurological pathology in children with autism spectrum disorders	Taras Voloshyn
8885	Translating the outcomes of robotics-based versus virtual reality-based interventions for children and young people with autism into everyday functioning: a systematic review	Susana Castro
7719	Assessment of a tele-diagnosis experimentation of autism spectrum disorders	Catherine Doyen
8969	Content validity testing of the Autism Classification System of Functioning: Social Communication (ACSF:SC) with toddlers and school-aged children with autism	Briano Di Rezze

16h45



## Coffee break and posters

17h30

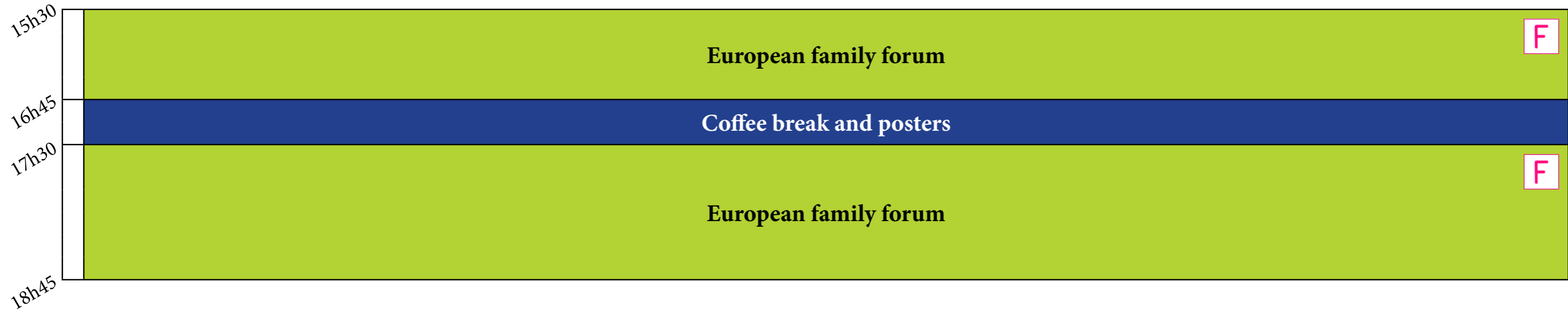
**IC:** Innovations in infant assessment: an update on the Prechtl General Movement - Colleen Peyton (Ref. 7500) 

18h45

# Thursday 23<sup>th</sup> May - Salle 4 Timetable - MORNING

7h30	<p><b>Cercle de Documentation et d'Information pour la rééducation des Infirmes moteurs cérébraux :</b> <b>“L'installation posturale au fil de l'âge”</b> Marie-France Rietz, kinésithérapeute Lycée Toulouse Lautrec, Vaucresson, Nathalie Chauveau, Cadre de santé, UGECAM Montreuil, Jean-Yves Depardieu, kinésithérapeute Camsp Chatillon (In French)</p>	
9h00		
10h45	<p><b>Coffee break and posters</b></p>	
11h30	<p><b>IC: Participation: A means or an end? Applications of the family of participation related constructs for research and practice - Christine Imms</b> (Ref. 7864)</p>	
12h45		

# Thursday 23<sup>th</sup> May - Salle 4 Timetable - AFTERNOON



# Friday 24<sup>th</sup> May - Amphi Gaston Berger Timetable - MORNING

7h30	<b>IC: Managing pain to promote participation in individuals with cerebral palsy - Darcy Fehlings</b> (Ref. 7112)		
8h45	<b>Keynotes</b>		
9h00	<b>“Learning and transfer: Lessons from action video games” - Daphné Bavelier</b>		
10h00	<b>“The Xbox Adaptive Controller, Intentionally including gamers with limited mobility” - Bryce Johnson</b>		
10h45	<b>Coffee break and posters</b>		
	<b>OC: Cognition and speech</b>		
	8620	Long-term functional outcome following severe childhood traumatic brain injury: results of the prospective longitudinal follow-up of the TGE cohort	Sara Neumane
	8978	Uneven learning patterns in medically complex children evaluated from toddlerhood to school age	Marie Weissbourd
	3259	Children conceived by in vitro fertilization: cognition and behaviour at 9 years	Kirsten Heineman
	8385	Speech and language features of bilateral perisylvian polymicrogyria, a systematic review	Ruth-Olivia Braden
	9299	Evaluation of motor skills and independency in activities of daily driving in children with speech impairments. A pilot study.	Buse-Busra Sanli
	7139	Comprehensive assessment of executive functioning following childhood severe traumatic brain injury: validation of the newly developed French FEE battery	Mathilde Chevignard
	7781	Social and cognitive Sequelae of Sturge Weber Syndrome	Jenny Sloneem
	7647	Cognitive-motor dependencies in the development of Developmental Coordination Disorder (DCD)	Peter Wilson
12h00	<b>Lunch time and posters</b>		
13h15	<b>Keynotes</b>		
	<b>“Future Options for Managing Complex Multi-system Disabilities” - Freeman Miller</b>		
14h15	<b>“HABIT-ILE, an intensive intervention increasing autonomy and participation in children with cerebral palsy” - Yannick Bleyenheuft</b>		



# Friday 24<sup>th</sup> May - Amphi Gaston Berger Timetable - AFTERNOON

14h30	<b>OC: Therapies, toxins and user-experiences</b>		
	8011	With CO-OP I'm the boss' - experiences of the Cognitive Orientation to daily Occupational Performance approach as reported by youth and young adults with spina bifida or cerebral palsy.	Ann-Marie Öhrvall
	8632	Locomotor training improves functional mobility in children with bilateral spastic cerebral palsy	Dayna Pool
	9014	Chewing training in children with Cerebral Palsy (CP): combining motor and functional exercises	Sabine Ghanem
	8050	A small step program in a randomised controlled trial for infants at risk of developing cerebral palsy or other neurodevelopmental disorders	Kristina Löwing
	8976	Parents' experience of undertaking an early upper limb home training program with a video coaching approach for babies and toddlers with (a high risk of developing) unilateral cerebral palsy.	Anke Verhaegh
	9385	Determinants of satisfaction with motor rehabilitation in persons with cerebral palsy: a national survey in France (ESPaCe)	Gwenaël Cornec
	2648	Intra-detrusor injections of botulinum toxin type A in children with spina bifida: a multicenter study	Camille Olivari-Philipponnet
15h45	<b>Coffee break and posters</b>		
16h30	<b>Keynote speaker</b> Lee Ridley ("Lost Voice Guy")		
17h00	<b>Announcements</b>		
17h15			
17h30	<b>OC: Cerebral Palsy</b>		
	7389	The best combination of diagnostic tests for cerebral palsy in high risk infants: a case control study	Andrea Guzzetta
	8198	Early prediction of unilateral cerebral palsy in infants with asymmetric perinatal brain injury - model development and internal validation	Ulrike-Claudia Ryll
	2420	How is daily physical activity associated with gross motor capacity in children with cerebral palsy?	Corinna Gerber
	8010	Sensorimotor synchronization and continuation is partially impaired in children with cerebral palsy	Claire Cherriere
	7855	Does spasticity at the ankle differ in children with hereditary spastic paraplegia and bilateral spastic cerebral palsy?	Nathalie De Beukelaer
	7734	Gait parameters of the independent walking onset of children with unilateral cerebral palsy	Anca Grigoriu
	7000	The relationship between skeletal muscle morphology and gait and function in ambulant children with cerebral palsy	Chloe Black
	8361	Cognition and bimanual performance in children with unilateral cerebral palsy: a multicentre, cross-sectional study	Brian Hoare
18h45			

# Friday 24<sup>th</sup> May - Audito Louis Armand Ouest Timetable - MORNING

7h30	<p><b>IC:</b> Looking for guides of cognitive assessment in cerebral palsy. Neuropsychological and neuroimaging evidence in dyskinetic cerebral palsy. - Júlia Ballester-Plané (Ref. 9062)</p>	
8h45		
10h00	<b>Coffee break and posters</b>	
10h45	<p><b>EACD EPNS joint session:</b> The molecular basis of hereditary spastic paraplegia</p> <p><i>Clinical presentation :</i> Michel Willsemsen (Nijmegen) <i>Molecular basis :</i> Ludger Schöls (Tübingen)</p>	
12h00	<p><b>Seeing below the surface of SMA: Does our current understanding of the science and existing assessment scales convey the real situation?</b> Laboratoire Roche sponsored symposium</p> <p><i>Moderator:</i> Dr Carole Vuillerot</p> <p><b>SMA as a whole body disease: Role of SMN protein</b> <i>Pr Isabelle Desguerre , CHU Paris / Hôpital Necker-Enfants Malades</i></p> <p>—</p> <p><b>Is MFM the adequate scale to evaluate SMA patients (Adult and children)?</b> <i>Speaker: Dr Carole Vuillerot, HCL de Lyon / Hôpital Femme Mère Enfant</i></p> <p>—</p> <p><b>Natural History of SMA Adult patient: What do we know?</b> <i>Dr Capucine Delattre, ESEAN Nantes</i></p>	
13h00		

# Friday 24<sup>th</sup> May - Audito Louis Armand Ovest Timetable - AFTERNOON

14h30

## OC: Surgery and new knowledge

7717	Passive range of motion - is it useful? Understanding the relationship between passive and functional range of motion at the wrist in children with cerebral palsy.	Eric Fernando
8095	Referred posture in lying and its relation to scoliosis and windswept hips in adults with cerebral palsy	Atli Agustsson
8644	Outcomes from the Zurich Center for spina bifida following fetal surgery repair for myelomeningocele?	Beth Padden
3167	Dorsal rhizotomy for spastic diplegia using enlarged interlaminar openings and monitoring of ventral and dorsal roots for checking topography and testing excitability. prospective study in 28 cases	Marc Sindou
7618	A new concept in the treatment of neuro Muscular scoliosis: the progressive correction by a minimally invasive fusionless technique using a self expanding device	Lotfi Miladi
7703	Fascicular motor neurotomy associated to single event multilevel surgery in cerebral palsy. A long-term review with gait analysis.	B�erenice Zagorda
7783	Surgery outcome prediction in cerebral palsy using supervised machine learning	Omar Galarraga
3344	Development and validation of a risk severity score identifying patients with cerebral palsy at high-risk for developing surgical site infection after spinal surgery	Hiroko Matsumoto

15h45

## Coffee break and posters

16h30




17h30

## MS: A global agenda for children with disabilities



Introduction  
*Chairman: Giovanni Cioni*  
 -  
 Updates on the IAACD  
*Hans Forssberg*  
 -  
 Global professional education  
*Arnab Seal*  
 -  
 Developing global guidelines  
*Diane Damiano*  
 -  
 Austerity in Europe  
 -  
 General discussion

18h45



# Friday 24<sup>th</sup> May - Audito Louis Armand Est Timetable - MORNING

7h30	<p><b>IC:</b> The Functional Communication Classification System (FCCS) - Development, psychometric testing and clinical application - Katy Caynes (Ref. 7181)</p> 
8h45	
10h00	<p><b>Coffee break and posters</b></p>
10h45	<p><b>MS:</b> Muscle health and function in cerebral palsy: what you need to know - Sian Williams (Ref. 7857)</p> 
12h15	
13h15	<p><b>Allergan commercial symposium</b></p> 



# Friday 24<sup>th</sup> May - Audito Louis Armand Est Timetable - AFTERNOON

14h30	<b>MS: Ethical issues in neurodevelopment disability : an open forum on how to adress them - Bernard Dan</b> (Ref. 9373)		
15h45	<b>Coffee break and posters</b>		
16h15			
17h30	<b>OC: New evidence in assessments</b>		
	7526	Measuring motor fatigability in upper limb in subjects with neurological disorders. A systematic review.	Lieke Brauers
	7713	Reliability and validity of functional bimanual and unimanual strength in children with unilateral cerebral palsy	Mellanie Geijen
	7974	Eat, sleep, play, connect: a systematic review of participation outcome measures for children aged under 3 years	Leanne Johnston
	8121	Early infant upper limb assessment: interrater reliability of the mini-assisting hand assessment for young children with unilateral Cerebral Palsy (uCP)	Edel O'Neill
	8133	Walking speed in children with cerebral palsy: laboratory versus daily-life	Lena Carcreff
	8985	Mini-EDACS: Eating and Drinking Ability Classification System for young children with cerebral palsy	Diane Sellers
	9257	Objective measurement of sitting, using essure mapping	Meta N. Eek
18h45	7128	Participation seven years after severe childhood traumatic brain injury: results of the TGE prospective longitudinal study	Mathilde Chevignard

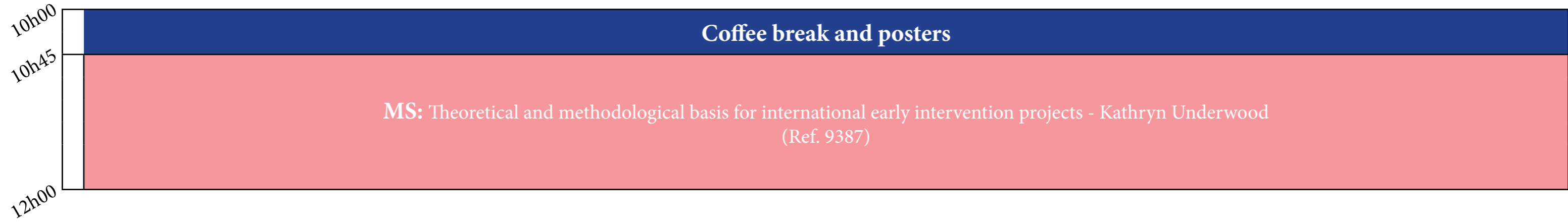
# Friday 24<sup>th</sup> May - Salle AB Timetable - MORNING

7h30	<p><b>IC:</b> Innovative approaches and adaptations to be considered in the diagnostic assessment for autism spectrum disorder in individuals presenting with selective mutism - Elaine Clark (Ref. 7959)</p> 
8h45	
10h00	<p><b>Coffee break and posters</b></p>
10h45	<p><b>MS:</b> Imaging and hand function for an early diagnosis of unilateral cerebral palsy after asymmetric perinatal brain injury - Ann-Christin Eliasson (Ref. 7833)</p> 
12h00	

# Friday 24<sup>th</sup> May - Salle AB Timetable - AFTERNOON


14h30	<p>MS: Novel paradigms to assess spatial skills and perspective taking in action in children with neurodevelopmental disorders - Vittorio Belmonti (Ref. 7877)</p> 
15h45	<p><b>Coffee break and posters</b></p>
16h30	
17h30	<p>MS: Genomics of cerebral palsy: perspectives on the impact of genomics on diagnosis, etiologic work-up, opportunities for precision medicine and driving research discovery - Darcy Fehlings (Ref. 8364)</p> 
18h45	

# Friday 24<sup>th</sup> May - Salle CD Timetable - MORNING









# Friday 24<sup>th</sup> May - Salle CD Timetable - AFTERNOON

14h30	<b>OC: Imaging</b> 	
	7998	In vivo ankle joint kinematics from dynamic I using a registration-based framework: towards spastic equinus deformities
		Karim Makki
	7850	A users guide to imaging and measuring muscle change in children with cerebral palsy: a scoping review of the evidence
		Sian Williams
	7908	Bilateral alterations in muscle size and quality of the medial gastrocnemius muscle in unilateral spastic cerebral palsy
		Steven Obst
	9147	Reduced structural connectivity after neonatal arterial ischemic stroke: a whole brain analysis
		Pablo Pretzel
	8146	Prediction of gait impairment in children born very eterm from near-term brain microstructure assessed with DTI, using exhaustive feature selection and cross-validation
		Kornel Schadl
	8972	Associations between brain volumes, myelin, and upper-limb kinematics in children born eterm
		Louise Rönnqvist
	7791	Resting-state fMRI brain connectivity changes predict clinical outcome after early focal lesions : the example of Neonatal Arterial Ischemic Stroke (NAIS)
		Lucie Hertz-Pannier
	7459	Validity of semi quantitative scale for brain MRI and visual function in children with periventricular leukomalacia
		Francesca Tinelli
15h45	<b>Coffee break and posters</b>	
16h30		
17h30	<b>MS: Long-term development into adulthood and personal experiences of participation of individuals with CP: the Dutch PERRIN Study - Marij Roebroek (Ref. 7851)</b>	
18h45		



# Friday 24<sup>th</sup> May - Salle 1 Timetable - MORNING

7h30	<b>IC: Computer games for balance training in children with cerebral palsy - Oleh Kachmar (Ref. 3777)</b> 		
8h45	<b>OC: ESMAC EACD joint session: Motion, EMG and sensors</b> 		
10h00	<b>Coffee break and posters</b>		
10h45	ESMAC introduction		
	3176	Reliability and validity of a novel 3D bimanual protocol in children with unilateral palsy	Marine Cacioppo
	7203	Using kinematic analyses to explore sensorimotor control impairments in children with 22q11.2 deletion syndrome	Liam J.B. Hill
	2419	Reliability of single-day gait performance measures using inertial sensors in children with cerebral palsy	Corinna Gerber
	7552	Surface EMG is essential for distinguishing overactive pronator(s) during active supination in children with unilateral spastic cerebral palsy	Aurélie Sarcher
	8112	Does self-perceived gait relate to objective gait assessment in young adults with cerebral palsy?	Alice Bonnefoy-Mazure
	7763	Three-dimensional upper limb movement characteristics in children with brachial plexus birth palsy	Christelle Pons
	7554	Implementation of a clinical upper limb movement analysis for children with elbow movements' disorders	Aurélie Sarcher
12h00	8167	Synergy weights are similar between different gait patterns in children with cerebral palsy	Marije Goudriaan

# Friday 24<sup>th</sup> May - Salle 1 Timetable - AFTERNOON

14h30	<p><b>MS:</b> Innovation in assessments, diagnostics and classification of Cerebral Visual Impairment (CVI) - Naomi Dale (Ref. 7893)</p> 
15h45	<p><b>Coffee break and posters</b></p>
16h30	
17h30	<p><b>MS:</b> Surgical management of spasticity in the upper limb: which surgery for which patients? - Caroline Leclercq (Ref. 7878)</p> 
18h45	

# Friday 24<sup>th</sup> May - Salle 2 Timetable - MORNING

7h30	<p><b>IC:</b> A toolbox for participation-focused therapy – practical guide for therapists to enable participation in physical activities for youth with physical disabilities - Sarah Reedman (Ref. 7197)</p> 
8h45	
10h00	<p><b>Coffee break and posters</b></p>
10h45	<p><b>MS:</b> Ageing with cerebral palsy: age trajectories of musculoskeletal, cardiometabolic, and psychological morbidities - Jennifer Ryan (Ref. 8209)</p> 
12h00	

# Friday 24<sup>th</sup> May - Salle 2 Timetable - AFTERNOON

14h30

## OC: Service provision and epidemiology

9325	Urgently needed: improved harmonization of visual impairment reporting in CP registers worldwide for increased participation	Fiona Graham
8386	Top curricular priorities for pediatric residents in the care of children with medical complexity: a Delphi study	Laurie Glader
9392	Delivering evidence-informed intensive motor focussed intervention in partnership with parents, community and hospital-based therapists for children with brain injury	Anne Gordon
3253	Multidisciplinary diagnostic settings for children with a neurobiological developmental delay or disorder in Flanders: comparison of governmental regulations	Eva Cloet
8367	Survival and mortality in cerebral palsy: observations to the sixth decade from a data linkage study of a total population register and national death index	Katherine Langdon
9162	Mental disorders in 8-to-16-year old children with cerebral palsies in Denmark: a register-linkage study	Gija Rackauskaite
7915	How participation-focused is usual care in paediatric neurodisability in New Zealand?	Els Ortibus
7673	A comprehensive investigation of major congenital anomalies in children with pre/perinatally acquired cerebral palsy: an international data linkage study	Shona Goldsmith

15h45

## Coffee break and posters

16h30

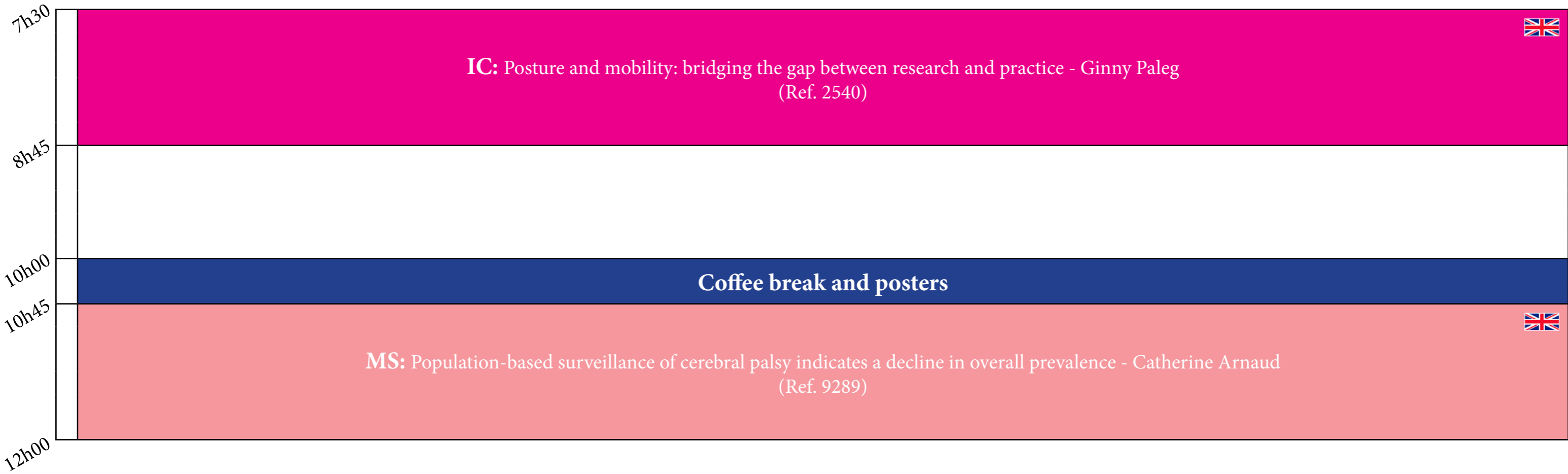
17h30

## OC: Visual sensory



9379	Severe visual impairment in children with cerebral palsy: trend over time and determinants. A SCPE network population-based study	Javier De la Cruz
7771	A quantification of the visuoperceptual profile of children with Cerebral Visual Impairment based on the Flemish CVI questionnaire	Nofar Ben-Itzhak
7889	Initial validation of a new assessment instrument and otocol for assessing autism in children with visual impairment (DAiSY project)	Naomi Dale
8189	Structural neural networks in adolescents with periventricular leukomalacia: evidence for perceptual visual impairments	Corinna Bauer
7218	Impact of early brain lesions on the retrogeniculate visual pathway in children with cerebral palsy: a diffusion tensor imaging study	Rodrigo Araneda
8160	Relationship between early visual functions and brain lesion characteristics in congenital hemiplegia	Ada Bancalè
8102	Cortical visual function at preschool age in very preterm infants	Claudia Brogna
3120	A simple screening test for elementary visuo-spatial perception deficit	Laure Pisella

18h45



# Friday 24<sup>th</sup> May - Salle 3 Timetable - MORNING



# Friday 24<sup>th</sup> May - Salle 3 Timetable - AFTERNOON



14h30	<p><b>MS:</b> The contribution of MRI to our understanding of cerebral palsy - Kate Himmelmann (Ref. 9312)</p> 
15h45	<p><b>Coffee break and posters</b></p>
16h30	
17h30	<p><b>MS:</b> Parents and professionals: we are in the same boat, but can we row in the same direction? Suggestions for improving shared decision-making about therapies - Alain Chatelin (Ref. 8388)</p> 
18h45	

# Friday 24<sup>th</sup> May - Salle 4 Timetable - MORNING





7h30	<p><b>Cercle de Documentation et d'Information pour la rééducation des Infirmes moteurs cérébraux :</b> <b>“Musculaton à haute intensité : utopie ou révolution !”</b></p> <p>David Guedin, kinésithérapeute cadre, Dispositif sensoriel et moteur des Pupilles de l'Enseignement Public Centre Bourgogne Franche-Comté, F-21000 Dijon, Jérémie Gaveau INSERM U1093-CAPS, Université Bourgogne Franche-Comté, UFR des Sciences du Sport, F-21000 Dijon (In French)</p>	
9h00		
10h00		
10h00	<b>Coffee break and posters</b>	
10h45	<p><b>MS:</b> Ensuring stakeholder engagement in the creation of new digital platforms: knowing what tomorrow's needs are today - Rachel Byrne (Ref. 8086)</p>	
12h00		





# Friday 24<sup>th</sup> May - Salle 4 Timetable - AFTERNOON

14h30	<p>MS: Clinically relevant outcome measures for patients with neuromuscular diseases and their family: from motor function measure to measure of participation</p> <p>- Carole Vuillerot (Ref. 9349)</p> 
15h45	<p><b>Coffee break and posters</b></p>
16h30	
17h30	<p>MS: Future twist in participation: why and how to promote meaningful participation of children and young adults with disabilities?</p> <p>(Ref. 8080 - Menno Van Der Holst)</p> 
18h45	



# Saturday 25<sup>th</sup> May - Amphi Gaston Berger Timetable

7h30	<b>IC:</b> Early diagnosis of cerebral palsy (CP): translating the 2017 international guidelines into clinical practice - Rachel Byrne (Ref. 8110)	
8h45		
9h00	<b>Keynotes</b>	
	<b>“Genetics in childhood neurodisability : progress and ethical challenges”</b> - Arnold Munnich	
	<b>“L’inclusion au service de l’innovation et de la participation”</b> - Matthieu Chatelin	
10h00	<b>Coffee break</b>	
10h45	<b>MS:</b> Closing the gap between what cerebral palsy consumers want and what they get from research - Alain Chatelin (Ref. 7276)	
12h00		
12h15	<b>Keynote</b>	
	<b>“Human enhancement: from disability to hyperability”</b> - Bernard Dan	
12h45	<b>Closing Ceremony</b>	
13h15		




# Saturday 25<sup>th</sup> May - Audito Louis Armand Ovest Timetable

7h30	<b>IC: Towards assessment and intervention of swallowing and feeding in the child with cerebral palsy: an individualized approach - Karen Van Hulst</b> (Ref. 7593) 		
8h45			
10h00	<b>Coffee break</b>		
10h45	<b>OC: Health issues in childhood disabilities</b> 		
	7672	The relationship with pain and sleep problems among children with cerebral palsy	Petra Karlsson
	7234	Pain coping strategies in children with cerebral palsy	Emmanuelle Chaleat-Valayer
	7766	Fatigue and quality of life seven years after severe childhood traumatic brain injury: results of the TGE prospective longitudinal study	Hugo Câmara-Costa
	7582	The management of sleep problems in children with neurodisabilities: what does existing research tell us, and what should be the next steps for research?	Bryony Beresford
	9285	Supportive care in children with spinal muscular atrophy type 1 (SMA-1). Results from a french multicentric study (National Hospital clinical research program, PHRC) : “assessment of clinical practices of palliative care in children with Spinal Muscular Atrophy Type 1”.	Marie Hully
	7745	Improving epilepsy control among children with cerebral palsy in rural Bangladesh.	Tasneem Karim
	7723	Nutritional status of children with Cerebral Palsy (CP) in remote Sumba island of Indonesia	Israt Jahan
	8618	Parents’ and professionals’ views about parent-delivered interventions for eating and drinking difficulties for young children with neurodisability	Lindsay Pennington
12h00			



# Saturday 25<sup>th</sup> May - Audito Louis Armand Est Timetable

7h30	<b>IC: Occupational Performance Coaching with parents and teachers of Children with neurodisability - Fiona Graham</b> (Ref. 7914)		
8h45			
10h00	<b>Coffee break</b>		
10h45	<b>OC: Child and family - Session 2</b>		
	7863	The gap between the needs of young adults with cerebral palsy and attention of professionals on participation in mealtimes	Lianne Remijn
	8019	Co-development of a new tool to enhance children's participation: the CMAP-book	Nea Vänskä
	7963	Empowerment trajectories among parents of young children with cerebral palsy	Runa Kalleson
	8128	Parent, child and clinician experience with a child-engaged approach to rehabilitation goal setting: a qualitative study	Lesley Pritchard-Wiart
	7573	Managing to learn bimanual activities as life unfolds in unilateral spastic cerebral palsy – a grounded theory approach	Git Lidman
	7789	Factors influencing parent and caregiver precisions to enroll children to participate in perceived high-risk brain research	Tanjila Nawshin
	7793	Investigating the role of sleep, pain and associated impairments in edicting maternal and paternal mental health among children with cerebral palsy	Petra Karlsson
	7962	The acceptability, usability and comehensibility of ENVISAGE: a program to empower parents of children newly diagnosed with a neurodisability.	Grace Nickson
12h00			



# Saturday 25<sup>th</sup> May - Salle AB Timetable

7h30	<b>IC: A framework for developing clinical guidelines and polices in special schools and residential settings - Sally Nissen</b> (Ref. 7414) 		
8h45	<b>IC: A framework for developing clinical guidelines and polices in special schools and residential settings - Sally Nissen</b> (Ref. 7414) 		
10h00	<b>Coffee break</b>		
10h45	<b>OC: Basic science</b> 		
	7581	Development of a porcine model of cerebral palsy: first step before a study on the efficacy of a stereotactic stem cell therapy	Edouard Mazerand
	8931	Mitochondrial oxidative capacity in children with cerebral palsy is independent of mitochondrial content and similar across functional levels	Sudarshan Dayanidhi
	3876	Reduced plasma brain-derived neurotrophic factor (BDNF) concentration in children with severe Cerebral Palsy (CP) is related to suboptimal nutrition and low physical activity level	Solvejg Hansen
	8056	Impact of motor function on connectivity between motor areas in children after arterial ischemic stroke	Sebastian Grunt
	7528	The relationship between very early brain microstructure at 32 and 40 weeks postmenstrual age and 12-month motor outcome in very preterm born infants: a diffusion MRI study	Joanne George
	7881	Disorders of anticipatory turning strategies and trajectory formation in spastic diplegic cerebral palsy	Vittorio Belmonti
	8079	Machine learning based prediction of ambulatory versus non-ambulatory motor function in children with cerebral palsy	Ihlen Espen
	8107	Machine learning to support “shared“ multilevel surgery precision	Eric Desailly
12h00			



# Saturday 25<sup>th</sup> May - Salle CD Timetable

7h30	<b>IC:</b> Urotherapy in incontinent children with cerebral palsy - Bieke Samijn (Ref. 2344) 
8h45	
10h00	<b>Coffee break</b>
10h45	<b>MS:</b> What does the term “motor learning-based treatment approach” mean in theory and practice? - Andrew Gordon (Ref. 7836) 
12h00	

# Saturday 25<sup>th</sup> May - Salle 1 Timetable



7h30	<b>IC:</b> Introduction into the neurological scale of the Standardized Infant NeuroDevelopmental Assessment (SINDA) - Mijna Hadders-Algra (Ref. 2674) 
8h45	
10h00	<b>Coffee break</b>
10h45	<b>MS:</b> Innovative technologies for early detection of neurocognitive compromise - Justiniano Damgaard (Ref. 7747) 
12h00	

# Saturday 25<sup>th</sup> May - Salle 2 Timetable

7h30	<b>IC:</b> RaceRunning, innovation for participation - Petra van Schie (Ref. 9376) 
8h45	
10h00	<b>Coffee break</b>
10h45	<b>MS:</b> The role of music in fetal and post-natal neurodevelopment: from neuroscience to initial recommendations for early music intervention - Olena Chorna (Ref. 9396) 
12h00	



# Saturday 25<sup>th</sup> May - Salle 3 Timetable

7h30	<b>IC:</b> CP commons: an informatics platform for storing and sharing cerebral palsy clinical and genomic data - Y. Wilson (Ref. 8384) 
8h45	
10h00	<b>Coffee break</b>
10h45	<b>MS:</b> Home-based assessment and rehabilitation of upper limb in children with unilateral cerebral palsy - Giuseppina Sgandurra (Ref. 8157) 
12h00	

## Saturday 25<sup>th</sup> May - Salle 4 Timetable

7h30

**Cercle de Documentation et d'Information pour la rééducation des Infirmes moteurs cérébraux :**

**“La place des aides instrumentales respiratoires dans la rééducation du sujet PC”**

Alain Jouve, kinésithérapeute, Institut Motricité Cérébrale, Marie France Rietz, kinésithérapeute Lycée Toulouse Lautrec, Vaucresson

(In French)



9h00