

2021 International Cerebral Palsy Genomics Consortium meeting

Program

(all times are Toronto/North America Eastern time, AM)

Friday, October 22, 2021

Time		Speaker/Chair
6:00 – 6:05	Welcome and land acknowledgment (5 min.)	Richard Wintle
6:05 – 6:30	Welcome from the Chair, introduction to the ICPGC (25 min.)	Jozef Gecz
Session 1 – Cohort studies (10 min. each)		Andres Moreno-De-Luca
6:30 – 6:40	Diagnostic yield of chromosomal microarray and trio whole exome sequencing in cryptogenic cerebral palsy	Hilla Ben-Pazi
6:40 – 6:50	Redefining cerebral palsy as a (partly) genetic neurodevelopmental disability	Clare van Eyk
6:50 – 7:00	Whole genome sequencing in a selected cohort of cerebral palsy individuals	Mehdi Zarrei
Session 2 – Epigenetics (10 min. each)		Moderator TBA
7:00 – 7:10	Identification and use of epigenomic biomarkers in spastic cerebral palsy and epilepsy	Jonathan Hicks
7:10 – 7:20	Epigenetic modifications in skeletal muscle from individuals with spastic CP	Karyn Robinson
7:20 – 7:40	Break (20 min.)	
Session 2 – Specific Genes (10 min. each)		Darcy Fehlings
7:40 – 7:50	A homozygous truncating variant in <i>MED11</i> C-terminal affects Mediator Complex stability and causes microcephaly, global developmental delay and prenatal-onset severe neurodegeneration	Elisa Cali
7:50 – 8:00	Clinical and genetic review of 265 <i>CTNNA1</i> germline variants in neurodevelopmental disorders	Sayaka Kayumi
8:00 – 8:50	Keynote lecture – Prof. David Rowitch	Introduced by Jozef Gecz
	Stratified neonatal management for cerebral palsy and the potential role for genomics	
8:50 – 9:00	Day 1 wrap up	Richard Wintle

Saturday, October 23, 2021

Time		Speaker
6:00 – 6:05	Welcome to day 2 (5 min.)	Richard Wintle
Session 4 – Mechanisms and models (10 min. each)		Mark Corbett
6:05 – 6:15	Genome wide identification and characterization of the role of circular RNAs in spastic cerebral palsy	Mona Batish
6:15 – 6:25	ISRIB restores neural progenitor proliferation in brain organoid model for microcephaly caused by defective TYW1	Chuanbo Sun
6:25 – 6:35	A zebrafish model to better understand and create precision medicine for a tubulin disorder	Kamawela Leka
6:35 – 6:45	In silico characterization of tandem DNA repeats expanded in a cohort of idiopathic cerebral palsy	Xiang Fang
6:45 – 7:05	Perspective lecture – Charlie Steward, Congenica (20 min.)	Introduced by Richard Wintle
	Title TBA	
7:05 – 7:30	CP Commons – update and formal launch (25 min.)	Yana Wilson
7:30 – 7:50	Break (20 min.)	
7:50 – 8:15	Guest lecture – Caroline Stanclift, Grace Science LLP (25 min.)	Introduced by Yana Wilson
	Title TBA	
8:15 – 8:45	ICPGC strategic projects (30 min.)	Jozef Gecz, Andres Moreno-De-Luca, Yana Wilson, Michael Fahey
8:45 – 9:00	Day 2 wrap up and closing remarks; invitation to ICPGC 2022	Richard Wintle / Michael Fahey
10:15 – 11:00	CP-NET Science and Family Day Genomics panel discussion (separate online link)	Richard Wintle (moderator); Charlie Steward, Ronit Mesterman, Stacy Hewson, Jennifer Hancock