

20. TWS Symposium
26. November 2021
Universitätsklinikum Essen

Time	Speaker	Title	Chairs
08.50-09.00	TWS + Stephan Klebe	Opening	
09.00-09.30	Kishore Raj Kumar, Sydney (Australia)	Challenges and Controversies in the Genetic Diagnosis of Hereditary Spastic Paraplegia	Stephan Klebe
09.30-10.00	Fanny Mochel, Paris (France)	Update on complex lipids in Hereditary Spastic Paraplegia	
10.00-10.30	Nathalie De Beukelaer, Leuven (Belgium)	Muscle Characteristics in Pediatric Hereditary Spastic Paraplegia vs. Bilateral Spastic Cerebral Palsy: An Exploratory Study	
10.30-10.50	Coffee break		
10.50-11.20	Andrea Martinuzzi / Marinela Vavla (Italy)	Brain Magnetic Spectroscopy Imaging and Hereditary Spastic Paraplegia	
11.20-11.50	Rebecca Schüle, Tübingen (Germany)	PROSPAX	Ludger Schöls
11.50-12.00	Ludger Schöls, Tübingen (Germany)	TWS funding round 2021: Introduction	
12.00-12.10	Catherine Rodger, Cambridge, (GB)	Development of AAV-mediated gene therapy for hereditary spastic paraplegia	
12.10-12.20	Darius Ebrahimi-Fakhari, Boston (USA)	Characterization of ap4b1-/- zebrafish as a novel in vivo model of SPG47 and its application in small molecule screens	
12.20-12.30	Gerald Fischer, Edlitz (Austria)	Adolf-Struempell-Prize for HSP-Therapy: Introduction	
12.30-12.40	Francesca Sardina, Rom (Italien)	Spastin recovery in hereditary spastic paraplegia by preventing neddylation-dependent degradation	
12.40-13.35	Lunch break		
13.45-14.15	Peter Baas, Philadelphia (USA)	Mechanistic Route to Therapy for SPG4 Hereditary Spastic Paraplegia	Christel Depienne
14.15-14.45	Aurora Pujol, Barcelona (Spain)	Novel metabolic genes causing HSP: the SHMT2 and PI4KA cases	
14.45-15.15	Stephan Hauser, Tübingen (Germany)	Comparative Transcriptional Profiling of Motor Neuron Disorder-Associated Genes in Various Human Cell Culture Models	
15.15-15.40	Coffee break		
15.40-16.10	Ziv Gan-Or, Montreal (Canada)	CanHSP: genetic and clinical lessons on HSP from a Canadian consortium	
16.10-16.40	Darius Ebrahimi-Fakhari, Boston (USA)	AP-4-associated Hereditary Spastic Paraplegia – A Translational Approach to An Ultra-rare Disease	
16.40-17.10	Craig Blackstone, Boston (USA)	New Insights into ER Morphology Dysregulation in Hereditary Spastic Paraplegias	
17.10-17.30	Concluding remarks		