

Date	Start	End	Event
January 8	9:00	11:00	Master Classes - Pathophysiology of SD; Jens Dreier, Charité Universitätsmedizin Berlin - SD aspects on ECoG recording in the ICU; Jed Hartings, university of Cincinnati
	11:00	12:00	Start registration
	12:00	13:30	COSBID steering committee meeting
	13:50	14:00	Opening
	14:00	15:00	Keynote speaker 1: Serge Charpak, Ecole des Neurosciences Paris
	15:00	16:00	Session 1- Mechanism underlying SD occurrence - Bill Shuttleworth, university of New Mexico: Calcium elevation and cytotoxic edema during SD - Sergei Kirov, Georgia Regents University: mitochondrial involvement in cytotoxic edema during SD - Ali Gorji, University of Münster ; SD and Neuro-inflammation
	16:00	16:15	break
	16:15	18:00	Session 2 - SD in relation to cell death - intracellular regulation and changes; Bill Shuttleworth, university of New Mexico - Mitochondria and SD; Sergei Kirov, Georgia Regents University - Neurogenesis; Anja Urbach, Friedrich-Schiller-University - Neuronal plasticity; Ali Gorji, University of Münster
	18:00	18:30	Open discussion
	January 9	9:00	10:00
10:00		10:45	Poster Session 1 – 10 Posters selected by the scientific committee.
10:45		11:00	break
11:00		12:00	Session 3 – Innovative neuromonitoring of SD - non-invasive detection of SD/ further results; Stephen C Jones, Cerebroscope - high precision whole brain mapping in rodent after stroke; Lab of Alan Urban, VIB institute - Concurrent recordings of seizures and spreading depressions in awake rodents using arrays of graphene transistors, Rob Wykes, UCL Institute of Neurology
12:00		13:00	Lunch Break
13:00		14:00	Keynote speaker 3: Oscar Herreras, Cajal Institute Madrid
14:00		15:00	Session 4 – SD and neuronal network dynamics - Cross-layer network dynamics during CSD, Roustem Khazipov, INSERM U1249 - spreading depolarization in genetic mouse models of brain disorders, Jeffrey Noebels, Baylor College of Medicine

			- SD, migraine aura and scalp EEG; usami kiyohide, kyoto university
	15:00	15:30	Break
	15:30	16:30	Session 5 – SD consequences after severe traumatic brain injury - Translational consequences of SD after TBI; Laura ngwenga, university of Cincinnati - Spreading Depolarization-Induced Preconditioning of Traumatic Brain Injury, Galadu Subah, New York Medical College - Relation of seizures and epileptiform discharges to spreading depolarizations after clinical brain trauma, Lab of Jed Hartings, University of Cincinnati
	16:30	18:00	Young investigator project presentation and discussion: 4 projects selected by the scientific committee.
	19:30	23:00	iCSD gala Dinner
January 10	9:00	10:00	Keynote speaker 4: Christine R. Rose, Heinrich Heine University of Düsseldorf “Cellular Sodium Loading in Metabolically Compromised Cortex”
	10:00	11:00	Session 6 – Anoxic SD, Cytotoxic edema and volume regulation - Glymphatic system changes during SD; Cetus Justin, Oregon health university - Implications of Sima-1 receptor agonism on spreading depolarization, Lab of Eszter Farkas, University of Szeged - The impact of age and exposure to anoxia in terminal depolarization, Carolina Maciel, University of Florida
	11:00	11:45	Poster session 2 - 10 Posters selected by the scientific committee.
	11:45	12:15	Sponsor’s booth presentation session.
	12:15	13:15	Lunch Break
	13:00	14:00	Keynote speaker 5 – Nanna MacAulay, University of Copenhagen Department of Neuroscience, Denmark
	14:00	14:45	Poster session 3 - 10 Posters selected by the scientific committee.
	14:45	15:45	Session 7 - SD in the neuro-ICU - Risk factor of cluster of SD after SAH; Oka Fumiaki, Yamaguchi university - Automatic detection of SD; Sebastian Major, Charité Universitätsmedizin Berlin - Brain metabolic pattern using rapid sampling microdialysis in the ICU, Lab of Martin Boutelle, imperial college London
	15:45	16:15	Break
	16:15	17:30	Session 8 – Macro and micro rCBF changes during SDs - Blood flow regulation in CSD; Lab of Martin Lauritzen, UCPH Denmark - involvement of NO in rCBF regulation during SD; Coline Lemale, Charité Universitätsmedizin Berlin - The effect of SAD and SD on resting state functional connectivity; Chung Daniel, Massachusetts general hospital

	17:30	18:00	Young investigators oral presentation awards
	18:00		Closing