

Educational Course

09:00-12:30	BC01	5F, 503	Latest advances in stroke models
	Chair(s)	S. Cho (United States) S. Allan (United Kingdom)	
09:00-09:05			Introduction
09:05-09:47	BC01-1		Optical access to brain circuit in awake mice for stroke induction and assessment T. Murphy (Canada)
09:47-10:29	BC01-2		Stroke recovery model in mice with MCAO: longitudinal behavior analyses across post-stroke stages M. Balkaya (United States)
11:00-11:42	BC01-3		Control of cerebral ischemia with magnetic nanoparticles: Magnetic bead occlusion model WP. Ge (United States)
11:42-12:24	BC01-4		Chronic hypoperfusion model for white matter injury and cognitive dysfunction K. Horsburgh (Scotland, United Kingdom)
12:24-12:29			Summary/Closing

09:00-12:30	BC02	5F, 501	Latest developments in understanding neurovascular coupling
	Chair(s)	J. Filosa (United States) E. Hamel (Canada)	
09:00-09:15			Introduction
09:15-09:45	BC02-1		Neurogenic control of neurovascular coupling B. Cauli (France)
09:45-10:15	BC02-2		Tonic and augmenting control of cerebral blood flow by astrocytes G. Gordon (Canada)
10:15-10:30			Discussion of the first two talks

11:00-11:30	BC02-3	Role of vascular mural cells in NVC C. Hall (United Kingdom)
11:30-12:00	BC02-4	The role of the vascular endothelium in neurovascular coupling - a unifying mechanism? E.M.C. Hillman (United States)
12:00-12:10		Discussion of the last two talks
12:10-12:30		Discussion

09:00-12:30	BP01	5F, 502 Glucose utilization in neuronal and tumor cells - novel perspectives for [18F]FDG PET
	Chair(s)	M. Palner (Denmark) K. Yamada (Japan)
09:00-09:30	BP01-1	Introduction: background and different novel usages of 18F-FDG PET M. Palner (Denmark)
09:30-10:00	BP01-2	Direct neuronal glucose uptake using 2DG-IR imaging I. Lundgaard (Sweden)
10:00-10:30	BP01-3	Energy metabolism underlying specific neuronal network activity states O. Kann (Germany)
11:00-11:30	BP01-4	Imaging malignant potential by fluorescent glucose uptake K. Yamada (Japan)
11:30-12:00	BP01-5	Metabolic functional connectivity: a new application for FDG-PET H. Endepols (Germany)
12:00-12:30		Discussion

14:00-17:30	BC03	5F, 503 Preclinical rehabilitation models
	Chair(s)	A. Rosell (Spain) A. Stowe (United States)
14:00-14:10		Introduction

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14:10-14:45	BC03-1	Clinical perspective of stroke rehabilitation and recovery K. Hayward (Australia)
14:45-15:20	BC03-2	Post stroke physical exercise M. Perez-Pinzon (United States)
16:00-16:35	BC03-3	Enriched environment and functional recovery K. Ruscher (Sweden)
16:35-17:10	BC03-4	Contralesional homotopic plasticity with constraint induced movement therapy A. Kerr (United States)
17:10-17:30		Ask the Clinician S. Hirano (Japan) K. Hayward (Australia)

14:00-17:30 BC04 5F, 501

How to get started as an independent investigator (ECI)

Chair(s)
S. Knauss (Germany)
Y. Wang (China)

14:00-14:30	BC04-1	Establishing a lab for the first time - The transition Panel discussion H. Girouard (Canada)
14:30-15:00	BC04-2	Establishing a lab for the first time - Managing your resources Panel discussion C. Stary (United States)
15:00-15:30	BC04-3	When I started my first lab/Establishing successful collaborations? Panel discussion F. Hyder (United States)
16:00-16:30	BC04-4	Establishing the lab for the first time Panel discussion T.G. Arumugum (Singapore)
16:30-17:30		Panel discussion E. Lo (United States) F. Hyder (United States) C. Stary (United States) H. Girouard (Canada) T.G. Arumugum (Singapore) T. Davis (United States)



14:00-17:30	BP02	5F, 502	The use of amyloid and tau tracers in Alzheimer research
	Chair(s)	I. Kanno (Japan) A. Lammertsma (Netherlands)	
14:00-14:45	BP02-1		Tau tracers, what do they measure, how can they be used and what are the confounders V. Villemagne (Australia)
14:45-15:30	BP02-2		FDG, amyloid, tau: when to use which tracer H. Shimada (Japan)
16:00-16:45	BP02-3		How to quantify amyloid and tau PET studies A. Lammertsma (Netherlands)
16:45-17:30	BP02-4		Why do we need large clinical trials and how should they be designed - the AMYPAD example I. Lopes Alves (Netherlands)

17:30-19:00		3F, 301-304	Welcome Reception
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