

	Monday 22 January	Tuesday 23 January	Wednesday 24 January	Thursday 25 January	Friday 26 January				
07:45 - 08:45			breakfast						
08:45 - 08:50	<p><i>Welcome Bertrand Tavitian</i></p> <p>Introductory Lecture I CARDIOVASCULAR METABOLISM</p> <p>Craig Malloy, Dallas</p>	<p>Measuring glucose by CEST MRI: Perfusion or metabolism? Xavier Golay, London</p>	<p>PET/CT imaging prediction of response to checkpoint blockade in advanced non-small cell lung cancer patients. Bob Gillies, Tampa</p>	<p>PET radiochemistry Bert Windhorst, Amsterdam</p>	<p>Cardiovascular Metabolism. Craig Malloy, Dallas</p>				
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09:35 - 09:40	Imaging tumor acidosis as a potential biomarker for assessing the early response to dichloroacetate by MRI-pH CEST approach. Annasofia Annemone, Torino	Immediate early gene mapping demonstrates stronger correlation with brain activation induced metabolic changes compared to hemodynamic responses. Mario Amend, Tübingen	Nitrogen-13 labelled amino acids [¹³ N]L-alanine and [¹³ N]glycine appropriate for studying prostate cancer metabolism. Luka Rejk, San Sebastián	Cardiac metabolic deregulation induced by the tyrosine kinase receptor inhibitor sunitinib is rescued by endothelin receptor antagonism. Thomas Viel, Paris					
09:40 - 09:45	Imaging glucose metabolism at the subcellular level in a glioma orthotopic mouse model. Arnaud Comment, Lausanne	Acute changes in rat brain metabolism after intravenous drug administration: A simultaneous dynamic ¹ H-MRS and continuous infusion ¹⁸ F-DG study. Uwe Himmelreich, Leuven	Combined imaging of myocardial metabolism and tissue stiffness using Positron emission tomography and ultrafast ultrasound after myocardial infarction in the rodent heart. Bertrand Tavitian, Paris	PET-UUI shows a double mechanism of escape from anti-angiogenic treatment in a mouse model of paraganglioma. Caterina Facchin, Paris					
09:45 - 09:50	coffee break								
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10:00 - 10:05	<p>Introductory Lecture II BRAIN METABOLISM</p> <p>Anke Henning, Tübingen</p>	<p>Metabolic reprogramming in mutant IDH1 glioma. Sabrina Ronen, San Francisco</p>	<p>High field proton NMR spectroscopy in the human brain. Anke Henning, Tübingen</p>	<p>Emerging positron emission tomography radiotracers to probe cancer metabolism. Tim Witney, London</p>	<p><i>best poster presentation I</i></p>				
10:05 - 10:10									<p><i>best poster presentation II</i></p>
10:10 - 10:15					Imaging inhibition of the warburg effect by the EGFR inhibitor cetuximab in patient-derived Head & Neck xenografts Bénédict Jordan, Brussels	Imaging of hyperpolarized ¹³ C substrates in the brain after blood-brain barrier disruption with focused ultrasound. Tom Peeters, Nijmegen	In Vivo Imaging of Tumor Senescence with a novel β-Galactosidase specific PET Tracer Marcel Krüger, Tübingen	<p>Highlights, Looking into the Future and Farewell Bertrand Tavitian, Paris</p>	
10:15 - 10:20					Lactate production in inflamed ankles was revealed in a mouse model of arthritis using Hyperpolarized 1- ¹³ C-Pyruvate MRS. Marie-Aline Neveu, Tübingen	PROgressive saturation for Quantifying Exchange Rates using Saturation Times (PRO-QUEST) in Chemical Exchange Saturation Transfer (CEST) improves image specificity in stroke. Eleni Demetriou, London	Evaluation of 2-[¹⁸ F], 2-difluoropropionic acid as an alternative tracer of 1-[¹¹ C] acetate PET. Robert Bleik, Cambridge		
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13:00 - 16:15	BREAK								
16:15 - 16:20	<p>Introductory Lecture III CANCER METABOLISM</p> <p>Matthew van der Heiden, Cambridge MA</p>	<p>Contraction performance at the cellular level. Martial Balland, Grenoble</p>	<p>The secret life of ¹⁸F-fluorodeoxyglucose. Guillem Prax, Stanford</p>	<p>Imaging of beta cells. Martin Gotthardt, Nijmegen</p>					
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		Dinner			<i>"Savoyard dinner" by the Ecole de Physique</i>				