			THE FUTURE OF MOLECULAR MR
			Cellular and Molecular Imaging Workshop
			ORLEANS, France
			17-20 June 2024
			11-50-SHIFE DAT
Monday June 17			
	45.00		
	15:00		Registration Opens
	16:40		Opening Session - Eva Jakab Toth, Peter Caravan
	10.40		Spering Session Eva sakab rodi, recei curavan
			Keynote Lecture
	17:00	18:00	Jeff Bulte: Endogenous and Exogenous diaCEST MRI Contrast Agents as Label-Free Sensors in Complex Biological Systems
	18:00	20:00	Welcome Reception
Tuesday June 18			
Section 1			
Session 1	8:30	0.00	Invited talk: Laif Schröder, Eunctionalized Host Systems for Solf-Defilling Hypernolarization in Switchable Ve MDI Penerters
Zoltan Kovacs	9:00		Invited talk: Leif Schröder, Functionalized Host Systems for Self-Refilling Hyperpolarization in Switchable Xe MRI Reporters Stereoselective Parahydrogen Induced Polarization
Laura Kuebler	9:15		Deuterium Metabolic Imaging - Rediscovery of a Powerful Imaging Tool for Precise In Vivo Monitoring of Glucose Metabolism: From Bench to Bedside
Myriam Chaumeil	9:30		Metabolic neuroimaging of ApoE and APP mutational status in mouse models of Alzheimer,Äôs disease
Ilai Schwartz	9:45		Clinical parahydrogen-based polarization - solving the outstanding technical challenges
	10:00	10:30	Coffee Break
Session 2			
- " - "	10:30		Invited talk: Janet Morrow, Iron coordination cages of iron as pH-responsive drug carriers and MRI probes
Zoltan Garda	11:00		Fluorine containing Mn(II) complex as 1H and 19F MRI contrast agent candidate
Mariane Le Fur	11:15 11:30		Molecular MR imaging of intestinal inflammation in a mouse model of colitis using a redox-active iron complex. Poster Pitches
	11.50	12.00	roscei ritaries
	12:00	13:00	Lunch
	13:00		Poster Session 1 (odd numbers)
Session 3			
	14:30		Invited talk: Alkystis Phinikaridou, Molecular Imaging probes for imaging fibrosis and inflammation in cardiovascular diseases
Silvio Aime	15:00		A Magnetic Resonance Imaging-Chemical Exchange Saturation Transfer (MRI-CEST) Method for the Detection of Water Cycling across Cellular Membranes
Hyla Allouche-Arnon	15:15		A genetically engineered reporter system designed for 2H-MRI allows quantifiable maps of reporter gene expression in vivo
Marta Vuozzo	15:30		Treatment response classification using oxygen enhanced (OE-), dynamic contrast enhancement (DCE-) MRI and [18F]FAZA PET prediction Metabolic Activity Diffusion Imaging [MADI]
Charles Springer	15:45	16:00	Metabolic Activity Diliusion Thaging [MAD1]
	16:00	16:30	Coffee Break
	20.00	20.50	
Session 4			
	16:30	17:00	Invited talk: Miloslav Polasek, Innovating chelators beyond traditional container function
Mauro Botta	17:00		Exploring the efficacy of paramagnetic chelates embedded in nanogels as MRI probes
Matthew Allen	17:15		Complexes of Eu(II) as contrast agents for MRI
Sajal Sen	17:30		Probing Cholinergic Brain Function Using Multimodal Molecular Imaging
Aurora Rodriguez	17:45	18:00	Deciphering the Efficacy of Iron(III) Complexes as MRI Contrast Agents
			Even evening
	10.20		Annua by ETNVS (young investigators by invite and BSVP only)
	19:30		Apero by FINYS (young investigators by invite and RSVP only)

Wednesday June 19			
Cassian F			
Session 5	8:30	9:00 Invited talk: Ichio Aoki, Manganese-enhanced MRI (MEMRI) and its expansion using nanoparticles	
Swannie Pedron	9:00	9:15 Targeting vascular cell adhesion molecule 1 (VCAM-1) for an improved diagnosis and management of myocarditis using cardiac immuno-MRI.	
Youssef Wadghiri	9:15	9:30 19F NMR in Theranostic Engineered Protein Fibers: Unveiling Protein Structure and Temperature	
Kristina Djanashvili	9:30	9:45 MRI-Assisted Delivery of Radiopharmaceuticals to Tumors Using SPIONs-Anchors	
Samuel Lehr	9:45	10:00 Polymer Microparticles as Multivalent Xenon Hosts for HyperCEST NMR	
Dumaci Ecili	3.45	20100 Former File Operation do Francisco (of	
	10:00	10:30 Coffee Break	
Session 6			
	10:30	11:00 Invited talk: Simonetta Geninatti-Crich, Unveiling Tumor Characteristics with Low and Ultra-Low Field Magnetic Resonance Techniques	
Remy Chiaffarelli	11:00	11:15 Quantitative PET/MRI of Perfusion and Excretion with a New 18F-Labeled Gadolinium-Based Probe: Preclinical Experience	
Audrey Picot	11:15	11:30 New MRI theranostic tool for microthrombosis in acute ischemic stroke	
Eric Gale	11:30	11:45 Molecular MRI of Neuroinflammation Using Fe-PyC3A	
Jenny Yang	11:45	12:00 Noninvasive Early Detection and Stage of Chronic Lung Diseases with Precision MRI (pMRI)	
	12:00	13:00 Lunch	
	13:00	14:15 Poster Session 2 (even numbers)	
Session 7	14.15	14.45 In the deflet Célia Bannat. Zing detection by MDI of ware untired decima to in this applications.	
Nadia Chahor	14:15 14:45	14:45 Invited talk: Célia Bonnet, Zinc detection by MRI : from rational design to in vivo applications	
Nadia Chaher Robert Ohlendorf	15:00	15:00 A New Collagen III Targeted MRI Probe for Molecular Imaging of Cardiac Fibrosis 15:15 Molecular brain imaging with engineered hemodynamics	
	15:00	15:30 Endogenous 31P CEST: A tool for monitoring Glycolysis without contrast agents	
Daniela Delli Castelli	15:15	15:30 Endogenous 31P CES1: A tool for monitoring Glycolysis without contrast agents	
	15:30	16:00 Coffee Break	
Session 8			
	16:00	16:30 Invited talk: Maxime Gauberti, Immuno-MRI and MPI: toward clinical translation	
	16:30	17:30 Round Table Discussion: The Future of Molecular MR	
	18:00	Bus departs for social event, Chateau de la Ferté St Aubin	
Thursday June 20			
Session 9			
	9:00	9:30 Invited talk: Jesus Ruiz Cabello, Advancing Precision Imaging: Novel Nanotechnology-Based Contrast Agents for MRI and Multimodal Diagnosis	
Iris Zhou	9:30	9:45 MRI using redox-active iron complex for in vivo assessment of neuroinflammation in a mouse model of multiple sclerosis	
Victor Han	9:45	10:00 Any-nucleus Distributed Active Programmable Transmit (ADAPT) Coil	
Gregory Thiabaud	10:00	10:15 Texaphyrin-Based Calcium Sensor for Multimodal Imaging	
Christian Farrar	10:15	10:30 Water-Resonant Spin-Locking with MR Fingerprinting for Rapidly Exchanging Proton Quantification	
	10:30	11:00 Coffee Break	
	10.50	11.00 Conce Break	
Session 10			
	11:00	11:30 Invited talk: André Martins, Hybrid PET/MRI and Beyond: Innovations in Molecular and Metabolic Imaging	
Graeme Stasiuk	11:30	11:45 Redox double-switch cancer theranostics through Pt(IV) functionalised manganese dioxide nanostructures	
Cuihua Wang	11:45	12:00 Imaging oxidative stress markers in experimental neuroinflammation using a highly efficient myeloperoxidase-activatable MRI probe	
Gyula Tircso	12:00	12:15 Improving the relaxivity response of potential Mn(II)-based pH-responsive probes	
Fanny Chapelin	12:15	12:30 Magnetic resonance imaging of macrophage response to radiation therapy	
	12:30	13:00 Closing Remarks/Awards	
	13:00	14:30 Lunch / Program end	