19th edition of the Young Belgian Magnetic Resonance Scientist symposium - YBMRS 2023

Monday, 13 November 2023

Oral contributions (13:00 - 14:20)

time	[id] title	presenter
13:00	[31] Exploring the interactions and microstructure of amorphous solid dispersions containing structural analogues of diflunisal using 1D and 2D solid-state NMR	COOLS, Lennert
13:20	[26] Unlocking the Secrets of Aptamer-Small Molecule Complexes through NMR Spectroscopy	SCHELLINCK, Sofie
13:40	[40] Establishment of a NMR-based metabolomics protocol for salivary samples	CAMPAS, Manon
14:00	[64] Development and characterization of calixarene-based macrocyclic systems for the recognition of primary ammoniums in an aqueous environment	Mr CARPENTIER, Romain

Oral contributions (16:50 - 17:50)

time	[id] title	presenter
16:50	[56] The tricky story of black titania – A spectroscopic study on the reduction and reoxidation of titania	VAN DEN BERGH, Lore
17:10	[55] Characterization of the impact of an inhibitor of the mitochondrial pyruvate carrier (MPC) using in vivo EPR and CEST-MRI	BUYSE, Chloé
17:30	[47] Development of a combined methodology towards the investigation of sustainable light-activated catalysts	GUIDETTI, Andrea

Tuesday, 14 November 2023

Oral contributions (09:50 - 11:10)

time	[id] title	presenter
09:50	[29] In vitro and in vivo study of iron oxide nanoparticles designed for theranostic targeting EGFR-overexpressing tumors	GEVART, Thomas
10:10	[54] A low-field benchtop MRI system for general applications	DE OLIVEIRA-SILVA, R.
10:30	[52] Benchtop NMR Relaxometry for monitoring Cu2+ removal using ion exchange resins and commercial activated charcoal.	BERNARDI, Marie
10:50	[59] The application of low field NMR relaxometry in iron-rich materials	YU, Ziyou

Oral contributions (14:40 - 15:40)

time	[id] title	presenter
14:40	[32] Warburg-associated acidification represses lactic fermentation independently of lactate, contribution from Real-Time NMR on cell-free systems	KOLKMAN, Maxime
15:00	[46] Plectasin kills bacteria by a Ca2+-sensitive supramolecular mechanism	DERKS, Maik
15:20	[58] Revisiting the mode of action of teixobactin	DE WINTER, Rosan