

## TOPIM 2018 | POSTER PRESENTATIONS OVERVIEW

<b>Poster #</b>	<b>Abstract Title</b>	<b>Last name</b>	<b>First name</b>	<b>City</b>	<b>Country</b>	<b>Keywords</b>
<b>#1</b>	<b>In vivo detection of succinate by magnetic resonance spectroscopy as a hallmark of SDHx mutations in paraganglioma</b>	Autret	Gwennhael	Paris	France	paraganglioma, Spectroscopy by Resonance Magnetic
<b>#2</b>	<b>Relaxometry of Cancer: effect of water mobility and magnetic field strength on tissue and cell proton T1</b>	Ruggiero	Maria Rosaria	Turin	Italy	glucose trasport, metabolic activity, nuclear magnetic resonance dispersion
<b>#3</b>	<b>in vivo Metabolism of Carbon-11 Labeled L- and D-[11C]Phenylalanine and L- and D-[11C]Alanine to Identify Their Biological Properties as Oncological Tracers</b>	Pekosak	Aleksandra	Amsterdam	Netherlands	Amino Acid Transport, Dynamic Amino Acid PET, Stereoselective radiosynthesis
<b>#4</b>	<b>Optoacoustic imaging of non-melanocytic skin cancer progression: relationship to vascular and inflammatory changes</b>	Quiros Gonzalez	Isabel	Cambridge	United Kingdom	
<b>#5</b>	<b>A novel workflow for NMR-based ex-vivo tissue metabolomics for multiparametric imaging</b>	Trautwein	Christoph	Tübingen	Germany	Chemometrics, Metabolomics, NMR Spectroscopy
<b>#6</b>	<b>Thymidine Metabolism as Confounding Factor of 3'-Deoxy-3'-[18F]Fluorothymidine Uptake after Therapy in a Colorectal Cancer Model</b>	Schelhaas	Sonja	Münster	Germany	[18F]FLT PET, combination cancer therapy, DW-MRI
<b>#7</b>	<b>Modeling Essential Amino Acid Transport in Gliomas – A Theoretical Approach</b>	Martens	Corentin	Bruxelles	Belgium	Amino Acid Transport Modeling, Dynamic Amino Acid PET, Gliomas
<b>#8</b>	<b>Combined PET imaging can monitor metabolism-targeted therapy response in glioblastoma multiforme models</b>	Valtorta	Silvia	Segrate	Italy	combination cancer therapy, Gliomas, PET tracer
<b>#9</b>	<b>Detecting metabolic pathways in vivo using parahydrogen hyperpolarized [1-13C]-pyruvate: a cost effective, powerful tool for metabolic imaging studies</b>	Cavallari	Eleonora	Torino	Italy	Hyperpolarized 13C-MRS, hyperpolarized pyruvate, Pyruvate-Lactate metabolism

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<b>#11</b>	<b>Melanin-concentrating Hormone (MCH) neuron-lateral septum circuits and regulation of energy balance</b>	Jiang	Hong	Cologne	Germany	
<b>#12</b>	<b>Carbon sources for citrate production by prostate cancer cells</b>	Heerschap	Arend	Nijmegen	Netherlands	13C labeling, citrate, Prostate cancer
<b>#13</b>	<b>Magnetic Field Homogeneity for Small Volume MR Spectroscopy</b>	Chang	Paul	Tubingen	Germany	
<b>#14</b>	<b>Short-term interval training alters brain glucose metabolism in subjects with insulin resistance</b>	Honkala	Sanna	Turku	Finland	
<b>#15</b>	<b>Pushing the limits of MR spectroscopic imaging: benefits and limitations of ultra-high field strengths for metabolite mapping of the human brain.</b>	Nassirpour	Sahar	Tübingen	Germany	
<b>#16</b>	<b>Intestinal invalidation of the glucose transporter GLUT2 delays tissue distribution of glucose and reveals an unexpected role in gut homeostasis</b>	Viel	Thomas	Paris	France	FDG PET/CT, intestinal GLUT2, Metabolism
<b>#17</b>	<b>Beta cell mass and function in patients with changes in glycaemic control after Roux-en-Y gastric bypass surgery using beta cell imaging with 68Ga-exendin-4 PET/CT</b>	Deden	Laura	Arnhem	Netherlands	Beta cell mass imaging, Glycemic control, Obesity
<b>#18</b>	<b>Supervised clustering analysis for quantification of neuroinflammation using [11C]PK11195 PET in young, old controls and atherosclerotic non-human primates</b>	Canet-Soulas	Emmanuelle	Lyon	France	Metabolic disease - atherosclerosis, Neuroinflammation, PET [11C]PK11195
<b>#19</b>	<b>An in vivo metabolic imaging study of myopathy in transgenic mice using C-13 hyperpolarized pyruvate generated by ParaHydrogen</b>	Reineri	Francesca	Torino	Italy	cardiac metabolism, Hyperpolarized 13C-MRS, hyperpolarized pyruvate