



# 2022 CAP Congress / Congrès de l'ACP 2022

## Tuesday, 7 June 2022

### DPMB Poster Session & Student Poster Competition (17) | Session d'affiches DPMB et concours d'affiches étudiantes (17) -

#### MUSC Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:32	[3044] (U*) (POS-45) Measuring Axon Diameters in Mice Using Oscillating Gradient Spin Echo MRI Sequences	CHISHOLM, Madison
17:34	[3060] (G*) (POS-46) Inferring axon diameters in white matter tracts of the live mouse brain	ANDERSON, Melissa
17:36	[3100] (POS-48) Developments in the Rapid Diagnosis of Bacterial Pathogens Using Laser-Induced Breakdown Spectroscopy	BLANCHETTE, Emma
17:38	[3109] (G*) (POS-49) Segmentation in Quantitative Dynamic Nuclear Medicine: The Insufficiency of the TG-211 of the AAPM	LAPORTE, Philippe
17:40	[3128] (U*) (POS-50) Laser-Induced Breakdown Spectroscopy Emission Enhancement from Bacteria on a Silver Thin Film	TRACEY, Emily
17:42	[3130] (G*) (POS-51) Achieving robust perfect adaptation while suppressing stochastic fluctuations in biochemical reaction networks	KELL, Brayden
17:44	[3183] (G*) (POS-52) Atomic Force Microscopy and Molecular Dynamics to Study the Structure of Nanodomains of Model Lipid Membranes in Relation to Alzheimer's Disease.	MEI, Nanqin
17:46	[3205] (G*) (POS-53) Protective Effect of Trehalose Sugar Against Amyloid $\beta$ Toxicity in Model Lipid Membranes	XU, Yue
17:48	[3287] (G*) (POS-54) The Feasibility of the Xenon Ventilatory ADC Approach Using $^{129}\text{Xe}$ MRI	PARNIYANY, Elnaz
17:50	[3434] (U*) (POS-55) HEDGEHOG: a ridge filter design for FLASH proton therapy	RODDY, David
17:52	[3264] (G*) (POS-56) Comparing perturbation responses of complex biological processes to their stochastic correlations	IYENGAR, Seshu
17:54	[3275] (POS-57) MSCDNet: A Multi-Scale and Cross-Dimension Feature Fusion Attention Network for Alzheimer's Disease Prediction With Structural MRI	LIU, Fei
17:56	[2996] (POS-58) Needle Tip Identification in Clinical Power Doppler Ultrasound Using Induced Vibrations by an Innovative Mechanical Oscillator	TESSIER, David
17:58	[3490] (U*) (POS-59) Using Ultrasound Imaging for Quantifying Kidney Fibrosis	Ms MELINO, Helen
18:00	[3495] (U*) (POS-60) Sex Differences in Airway Metrics & Chronic Obstructive Pulmonary Disease	Ms NASIR, Neha
18:02	[3510] (G*) (POS-61) Drug design of small molecules implementing a deep learning model.	Ms NAIR, Vrinda
18:04	[3536] (G*) (POS-73) Effect of cuff-induced occlusion on muscle oxygenation	BURTON, Timothy