



# 2024 CAP Congress / Congrès de l'ACP 2024

## Tuesday 28 May 2024

### DPMB Poster Session & Student Poster Competition (28) | Session d'affiches DPMB et concours d'affiches étudiantes (28) -

#### PAB Hallways (17:45 - 19:15)

time	[id] title	presenter
17:45	[4314] (G) (POS-33) Quantifying Consciousness and Inhibitory Control: An Integrated Information Theory Approach to Neural Dynamics in Go/NoGo Tasks	DIYABALANAGE, Dilanjan
17:47	[4403] (UG*) (POS-36) Noisy Nonlinear Dynamics of Otoacoustic Emissions	ALLISON, Elizabeth
17:49	[4458] (G) (POS-39) Development of a Cutaneous Facial Electrical Stimulation Device for the Production of Phosphenes	KURKJIAN, Veronica
17:51	[4152] (UG*) (POS-21) Physical Mechanisms of Tissue Boundary Formation and Tissue Internalization	MILES, Merdeka
17:53	[4465] (G*) (POS-40) First principles study of ligand-protein interaction: A DFT and MD pathway to bioactivity estimation of molecular chemicals	Dr KWON, Bong-Oh
17:55	[4452] (G) (POS-38) Inferring biochemical reaction rates from stochastic fluctuations in growing and dividing cells	SHI, Linan
17:57	[4451] (G*) (POS-37) Influence of Arterial Occlusion at Various Cuff Pressures on Skin Colour Measured by rPPG	DEVOS, Leah
17:59	[4338] (POS-35) Modeling the cooperative compaction of bacterial chromosomes by biomolecular crowding and the cross-linking protein H-NS	HA, Bae-Yeun
18:01	[4322] (G) (POS-34) A Computational Study on the Structural Dependence of Cell Penetrating Peptide Pathways	THOMPSON, Michael
18:03	[4304] (G*) (POS-32) The effect of area distribution of benign tissues on metastasis	MODABBER, Yasamin
18:05	[4296] (G) (POS-31) A Physics inspired probabilistic model of neuroimaging data analysis and modelling.	DIYABALANAGE, Dilanjan
18:07	[4271] (G) (POS-28) A wireless resonator layer for high-resolution TMJ MRI at 1.5 T	Mr XU, Bocheng REN, Yujie
18:09	[4270] (G) (POS-27) Detunable Wireless Litzcage Coil for Human Head MRI at 1.5T	Mr XU, Bocheng
18:11	[4236] (G*) (POS-26) Towards a Unifying Model for Droplet Spreading Using an Exponential Law: A Molecular Dynamics Study	ESMAELIAN, Farshad
18:13	[4205] (G*) (POS-25) The importance of instrument effects on light polarization when imaging retinal biomarkers of brain diseases	POTSILUIENKO, Yuri
18:15	[4203] (UG) (POS-24) Toward the development of a rapid diagnostic test for bacterial meningitis using laser-induced breakdown spectroscopy	Ms ALIONTE, Caroline ARTHUR, Isabella CHEVALIER, Rachel
18:17	[4202] (UG*) (POS-23) Diagnosing Bacterial Urinary Tract Infections Using Laser-Induced Breakdown Spectroscopy	MALIK, Hadia
18:19	[4200] (UG*) (POS-22) Detection of Bacterial Pathogens in Blood Using Laser-Induced Breakdown Spectroscopy	SAAD, Jasmine

18:21	[4286] (G) (POS-29) Optical Investigations of Endothelial Dysfunction: Exploring Pressures for Induced Ischemia	DVEKAR, Vanja
18:23	[4287] (UG) (POS-30) Multi-Modal Neuroimaging based Mutual Information Decomposition for Alzheimer's Disease Diagnosis	Ms REN, YuJie
18:25	[4602] (G*) (POS-41) Bringing light to force-driven events of single molecules	RAMIREZ, Luis
18:27	[4612] (UG) (POS-42) Effects of epidermal pigmentation on the accuracy of cerebral oximeters	NICULESCU, Sophie
18:29	[4623] (G*) (POS-44) Metamaterial-Assisted Wireless Electric Field Application for Studying Breast Cancer Cell Migration	Mr PALMERLEY, Nicholas
18:31	[4615] (POS-43) Molecular Dynamics Simulation of Lung Surfactant Protein SP-B fragments in model bilayers	MORROW, Michael
18:33	[4630] (G*) (POS-45) Applying the Hybrid PET/MRI Technique PMROx in Healthy Humans to Measure Cerebral Metabolic Rate of Oxygen	DELLER, Graham
18:35	[4633] (G*) (POS-47) Navigating Radioguided Cancer Surgery Using Principles of Gamma Photon Interactions	WILSON, Sydney
18:37	[4634] (G*) (POS-48) Using Machine Learning to Identify Motion Patterns from Acceleration and Angular Velocity Readings	WILSON, Kyle
18:39	[4632] (UG*) (POS-46) Development of a Surface Enhanced Raman Spectroscopy Sensor for the Detection of Trace Concentrations of Small Molecules	DRAKES, Ann