Session Program

2-7 Jun 2019



Canadian Association of Physicists

Association canadienne des physiciens et physiciennes

2019 CAP Congress / Congrès de l'ACP 2019

T1-8 Topics in medical physics and biophysics (DPMB) | Sujets en physique médicale et biophysique (DPMB)

Simon Fraser University

Tuesday 4 June

08:30	T1-8 Topics in medical physics and biophysics (DPMB) Sujets en physique médicale et biophysique (DPMB) Session Location: Simon Fraser University, HC 114 Conveners: Prof. Francis Lin, Prof. Emily Heath
	08:30-08:45 Monitoring and Optimizing Beer Flavour and Quality Using Raman Spectroscopy Speaker Prof. William Whelan
	08:45-09:00 Atomic force microscopy reveals how structural variations impact the flexibility of collagen Speaker Alaa Al-Shaer
	09:00-09:15 Optimization of nanoparticle transport using monolayer and multilayer cell models Speaker Kyle Bromma
	09:15-09:30 Modeling the slow cytotoxic swelling of dystrophic muscle fibers Speaker Bela Joos
	09:30-09:45 Interplay between native state topology and sequence in two-state protein folding Speaker Stefan Wallin
	09:45-10:00 Diffusion-controlled drug delivery: Avoiding pitfalls when using Lattice Monte Carlo (LMC) simulations Speaker Prof. Gary W. Slater
	10:00-10:15 Unravelling the mechanical properties of collagen with centrifuge force microscopy Speaker Dr Kathrin Lehmann

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