

Concurrent Sessions

February 1, 2023

- [Cancer Research](#)
- [Biochemistry & Physics](#)
- [Ecology & Environmental Science](#)

Cancer Research		Moderator:		Stéphane Nemours
2:30 PM	to 2:50 PM	Sheri McDowell		Obesity-associated inflammation and cancer progression
2:50 PM	to 3:10 PM	Akeem Gardner		Targeting glioblastoma invasion and survival with cannabis-derived flavonoids
3:10 PM	to 3:30 PM	Lindyann R. Lessey		The opposing roles of Kaiso and p120ctn in intestinal diseases
3:30 PM	to 3:50 PM	Junior West		The tight junction inhibits cancer invasion and metastasis
3:50 PM	to 4:10 PM	Wilson Nartey		Structure and regulation of the oncogenic chromatin remodeler HELLS
4:10 PM	to 4:30 PM	Lightning talks (3 minutes each)	Stéphane Nemours	Transcriptomic analyses of rare kidney tumour "papillary renal neoplasm with reverse polarity"
			Hanad Adan	Elucidating the Role of Kaiso and TGF-Beta Signaling in Triple Negative Breast Cancer (TNBC) Progression and Metastasis



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Biochemistry and physics		Moderator:		Lucy Campbell
2:30 PM	to 2:50 PM	Isaac Antwi		Chiral phosphoric acid mediated site-selective functionalization of glycopeptides
2:50 PM	to 3:10 PM	Sundiata Kly		Packaging gold nanoparticles in polymeric nanocarriers for increased cellular uptake.
3:10 PM	to 3:30 PM	Tyra Lewis		Optical aptasensor for rapid detection of COVID-19 antigens
3:30 PM	to 3:50 PM	Ayooluwa Bolaji		In silico analysis identifies sequence contamination threshold for nanopore generated SARS-CoV-2 whole genome sequences.
3:50 PM	to 4:10 PM	Fabrice Ngoh Njotu		Evaluation of the effectiveness of Cu67-eb-tate theranostic as an alternative to Lu177-dotatate in pancreatic neuroendocrine tumour models
4:10 PM	to 4:30 PM	Lightning talks (3 minutes each)	Kanah Smith	Asteroseismology: unveiling stellar nature through oscillation pattern recognition
			Jeanette Adjei	Finding Radical Ways to Synthesize Phosphorus Containing Molecules
			Ayomide Akande	Ozonolysis of cashmeran: kinetics, products, and particle formation
			Lucy Campbell	Mathematical studies of vortex Rossby waves in tropical cyclones



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Ecology and Environmental Science		Moderator:		Hammed Akande
2:30 PM	to 2:50 PM	Emily Choy		Stable mercury trends in salish sea glaucous-wing gulls support a long-term prey shift over the last century
2:50 PM	to 3:10 PM	Trevor Charles		Improving the microbiome in hydroponic vegetable production
3:10 PM	to 3:30 PM	Adisa Julien		Headwaters to outlets: bird species accrual curves are faster downstream with different implications for varying landcovers and ecoregion
3:30 PM	to 3:50 PM	Wasiu Raji		Subsurface characterization in an ancient graveyard with potential applications to forensic investigations
3:50 PM	to 4:10 PM	Angela Kross		A geospatial framework for the assessment and monitoring of environmental impacts of agriculture
4:10 PM	to 4:30 PM	Lightning talks (3 minutes each)	Linda Gorim	Making cover crops work with grain cropping in the Canadian Prairies
			Hammed Akande	Climate change impacts on the distribution of endangered grey parrot (<i>Psittacus erithacus</i>); a modeling approach
			Sandra Klemet-N'Guessan	Bridging Indigenous and non-Indigenous knowledge systems and practices for sustainable management of aquatic resources from East to West Africa
			Eugenia Dadzie	Microbes and enzymes: sustainable plastic degradation



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