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		TUESDAY	JULY 3	0th	
TIME (EST)	Room: Events				
8:00AM		Foyer: Conti	nental Breakfas	t	
9:00AM	LIVESTREAM / Auditorium: Opening Remarks & Keynote				
9:00 to 10:20AM	Opening remarks: Dr. Maydianne Andrade Special guest performance : Miss McLeod Remarks: Hon. Yasir Naqvi MP Ottawa Centre Moderator: Dr. Kafi Ealey				
	Understanding E	Disease Susceptibility in Black I	r. Upton Allen. Individuals: Exa zed Medicine	mples and Insights of Relevance to	
10:20 to 10:40AM	Foyer: Break & Networking				
		Concurrent ses	sions: Salons A	& B	
	Salon A: Tr	anslational Research		Salon B: Equity & Justice	
	Moderators:	Kafi Ealey, Denzel Lodge		Moderator: Jennifer Adams	
10:20 to 10:40AM 10:45PM 11:00AM 11:15AM	Ofosu Adjei-Afriyie	Investigating the molecular mechanisms of insulin resistance in Myotonic Dystrophy type 1	De-Lawrence Lamptey	Caregivers' perception of their children's health in Canada: a nationwide study	
11:00AM	Kafi Ealey	Relationship between adipose tissue cellular heterogeneity, obesity, and metabolic disease	Titilola Omotosho	Perceived racism and maternal mental health outcomes of Black mothers in Ontario	
11:15AM	Lindyann Lessey	Roles for Kaiso and p120ctn in intestinal inflammation and colitis-associated cancer	Abimbola Saka	Dismantling healthcare inequities: anti- racism and anti-oppression training for systemic change	
11:30AM	Emmanuel Zangio	The effects of tendon vibration on balance control and electromyography in chronic ankle instability	Timi Idris	Black women and the nonprofit sector	
11:45AM Lightning talks (3min each)	Hanad Adan	Role of the transcription factor Kaiso in TGFβ-mediated triple- negative breast cancer metastasis	Temitayo Sodunke	Exploring multifactorial barriers and resources for accessing equitable mental health care among African Nova Scotians (EMBRACE-ANS)	
	Stephanie Ali Fairbairn	Kaiso, androgen receptor and increased mortality of women of African ancestry with triplenegative breast cancer			
	Rem	ılture & AgriFood Canada			
Noon		Foyer: P	ick up Lunch		
12:15pm to 2:15PM		ve Mentorship Workshop nnifer D. Adams	1:00PM. Lobby: Library Tours	Room 156: Career Networking	

		Concurrent Ses	sions: Salons /	A & B
	Salon A: N	Nathematics and Statistics	Salon B:	Medical & Public Health Research
		rs: Lucy Campbell, Jude Kong		tors: Francine Gasasira, Denzel Lodge
2:15PM	Lucy Campbell	Mathematical study of multi- scale atmospheric wave interactions	Toyib Olaniyan	Understanding mortality differentials of Black adults in Canada
2:30PM	Jude Kong	Leveraging artificial intelligence and mathematical modelling for diseases outbreak support	Leonet Reid	Differences in aspirin use among high-risk pregnancies and associated maternal-fetal outcomes - a retrospective cohort study
2:45PM	Chigozie Ugwu	Risk Factors of Human Mpox (Monkeypox) Infection: A Systematic Review and Meta- Analysis	Lawrence Goodridge	Stopping enteric illnesses early through environmental surveillance
			Jim Ayukekbong	Identification of the transition point of COVID-19 from a pandemic to an endemic disease through respiratory viruses surveillance
3:00PM Lightning talks			Keisha Jefferies	Understanding the social and structural factors impacting people of African descent with uterine fibroids in Nova Scotia
(3 min each)			Nomusa Mngoma	Development and evaluation of a training program to enhance care and support of victim/survivors of sexual violence
			Sacha Williams	The impact of gender on pediatric surgical care in Africa
3:45PM to 4:10pm		Foyer: Brea	k & Networkir	ng
4:15PM		LIVESTREAM / Auditorium	: Opening rem	narks & Keynote
		Opening remarks		
4:15 to 5:30PM	Moderator: Dr. Jude Kong			
	Keynote: <u>Dr Beatrice Ombuki-Berman</u>			
5:30 to 7:30PM		Cocktail Reception & Netwo	orking (grazing	boards, cash bar)
7:30PM		LIVESTREAM / Auditorium: Au	ıditorium: Pub	olic Panel Discussion
	Moderator: Dr. Juliet Daniel			
7:30PM to	Remarks: Hon. Mark Holland, Minister of Health			
9:00PM	Action on Black Health Panel: Mobilizing for Structural Change Dr. OmiSoore Dryden, Dr. Kannin Osei-Tutu, Dr. Bukola Salami			
		Dir Omiscore Bryaen, Bri Kar		

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		WEDNESDAY JULY 31st				
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TIME (EST)	Room: Events					
8:00AM			nental Breakfa			
9:00AM		LIVESTREAM/ Auditorium	<u> </u>	•		
0.004-		Opening Remark	s: Dr.Jennifer A r. Burhan Husse			
9:00 to 10:20AM			Swanne Gordoi			
10.20AIVI	Embracing	Diversity: Insights from Nature				
10:20 to 10:40AM		Foyer: Break & Networking				
10:40AW 10:45AM to						
Noon		Concurrent Ses	sions: Salons A	A & B		
	Salon A: Adva	ancements in AI & Physical	Salon B: B	iomedical & Molecular Research		
		Sciences				
	Mode	rator: Burhan Hussein		Moderator: Tamara Franklin		
	Norman Israel	Inverse design of metamaterial	Serah Kimani	Drugging the undruggable:		
10:45AM		waveguide gratings using		Harnessing AI for discovery of novel DCAF1 WD40 domain		
				ligands		
	Stephen Robinson-	Investigating sintering of metal	Tiara Mulder	Establishing an optogenetic model of		
	Enebeli	aggregates during laser-induced		exercise-induced damage and repair in		
11:00AM		incandescence on metal		Drosophila melanogaster		
		nanoparticles				
	Burhan Hussein	Correlated shapeshifting and	Redaet Daniel	Arl8b-KD cells have altered lysosome		
11:15AM		conformational isomerization		characteristics reducing Ebola entry		
Lightning talks	Jyoti Kotecha	Overview of C2MCI research and	11:30AM	Protein coalation: a novel role of		
(3min each)		opportunities		Coenzyme A in redox regulation of human		
11:30 to				sperm capacitation		
11:33AM						
11:33 to	Effah Antwi	Advancing Inclusive Science in	Lightning talks	Functional significance of food-derived		
11:48AM		the Scientific Research	11:45AM Raliat Abioye	peptides in inhibiting islet amyloid polypeptide (IAPP) fibrillation in type 2		
		Enterprise: Lessons from the NRCan Inclusive Science	Manat Abioye	diabetes management		
		Research Study (ISRS).	11:48AM	Investigating the impact of host physiology		
		, , ,	_	on anti-tumor immunity		
			11:51AM	Investigating covalent HDAC inhibitors for		
			Mulu Geletu	the treatment of Duchenne muscular		
				dystrophy		
			oyer:			
Noon to	Moderator: Dr. Maydianne Andrade					
12:05PM	Remarks: MP Sameer Zuberi, Ministry of Diversity, Inclusion & Persons with Disabilities (in person)					
42.0504			up Lunch			
12:05PM	Colore A.		up Luncii			
		Panel on Industry &	1:00PM			
12:15		trepreneurship tor: Dr. Trevor Charles	Lobby: Library	Room 156: Career Networking		
to 2:10PM		m Abdur-Rashid , Melisa Ellis,	Tours	Mooni 150. Career Networking		
	- arichaea. Rarcc					

Dr. Christopher Dixon

		Concurrent Sess	sions: Salons A	\ & В
	Salon A: Ecology,	Sustainability, & Evolution	Salon B:	Neuroscience and Psychology
	Modera	tor: Burhan Hussein	N	Moderator: Francine Gasasira
2:15PM	Emmanuel Galiwango	Plastic waste-to-hydrogen: accelerating a low-carbon circular economy	Jasmine Ali- Gami	Long-term functional brain outcomes in youth with Enterovirus-71 central nervous system involvement: a multi-echo resting- state FMRI study
2:30PM	Abdel Halloway	A mutualism-parasitism gradient plus control over nodule access leads to trait variation in bacteria-plant mutualists	Tamara Franklin	The long-term and multi-generational impact of chronic psychological stress during adolescence
2:45PM	Opeyemi Lawal	Phylogenomics of novel clones of <i>Aeromonas veronii</i> recovered from a freshwater lake reveals unique biosynthetic gene cluster	Lydia Muyingo	Examining the healthy immigrant effect on alcohol use in emerging adults
3:00PM	Chinyere Ottah	Quantifying wildfire carbon emissions: a machine learning approach leveraging combustion measurements		
3:15PM	Francois Gonothi Toure	Optimizing Dairy Cow Health and Productivity with Efficient Movement Monitoring Using Data Augmentation and Computer Vision		
	3:30PM Angela Kross	Shedding light on shadow effects: assessing vegetation indices across different lightning conditions		
	3:33PM Kerrice Bailey	A synthesis of the state of fast fashion in the top garment- producing countries: China, Turkey, India, Bangladesh, Vietnam, and Indonesia		
Lightning Talks (3min each)	3:36PM Alannah Grant	City living: the influence of urban stress on early rates of neurogenesis in eastern grey squirrels (<i>Sciurus carolinensis</i>)		
	3:39PM Sherif Shuaib	A mechanistic stage structure model to estimate the growth and mortality parameters of five fish species in Canadian waters		

4:00PM	Morley-Callaghan Room (Salon C): Poster Session, Grazing Boards & Refreshments
4:00PM to 5:15PM	P1 - P10 : Biomedical & Molecular Research P11 - P17: Ecology, Sustainability, Evolution P18 - P22: Equity & Justice P23 - P33: Medical & Public Health Research P34 - P35: Neuroscience & Psychology
5:30PM to 6:45PM	P36 - P38: Computational & Physical Sciences P39 - P40: Science Education P41 - P44: Translational Research Poster Presentations: P45: Science Education P47: CBSN Science Fair Student Research (4 posters) P48: Art Submission
7:00PM	End of Day

		THURS	SDAY AUGUST	1: EMA	NCIPATION DAY		
	TIME (EST)		Roon	n: Events			
	8:00AM			nental Breakfa			
	9:00AM		Auditorium: Special Gues	t, Network M	eeting & Raffle		
			Moderator: Dr.	Maydianne And	lrade		
	9:00AM	Remarks: Hon. Greg Fergus, Speaker of the House of Commons (in person)					
	9:15 to 9:25AM		Foye	er: Break			
,	9:25AM to 10:45AM	General	Meeting: The year in Review Door p	& Future of thorize raffle	e Network : Have Your Say!		
	10:45AM to 11:00AM		Foyer: Brea	k & Networkin	g		
		Concurrent Sessions: Salons A & B					
)		Salon A: Immunology / Microbiology Salon B: Science Education					
		Mod	erator: Tiara Mulder		Moderator: Jennifer Adams		
•	11:00AM	Jonathan Burnie	Applying methods in flow virometry to study viral surface proteins	Nathan Andrews	The visible and the hidden: racism, whiteness and epistemic oppression in the Canadian academy		
	11:15AM	Emmanuel Alimo	Site of antibody affinity modification in the gut of zebrafish (<i>Danio rerio</i>)	Eddia Copeland Solas	Exploring effective teaching practices for Black students learning science in Nova Scotia – initial findings		
	11:30AM	Maya George	Unveiling novel protein translation inhibitors against mycobacteria through reporterguided analysis	Alannah Grant	Assessing the impact of accessible experiential learning for BIPOC students at FREED		
	11:45AM	Safia Omer	Ninein is required for phagocytosis in macrophages	Maydianne Andrade	Opening the eyes of undergraduate students to hidden impacts of bias in stem		
	Noon		Foyer: P	ick up Lunch			
	12:15PM to 2:10PM		onal Node Meet-and-Greet tator: Dr. Jude Kong	1:00PM Lobby: Library Tours	Room 156: Career Networking		

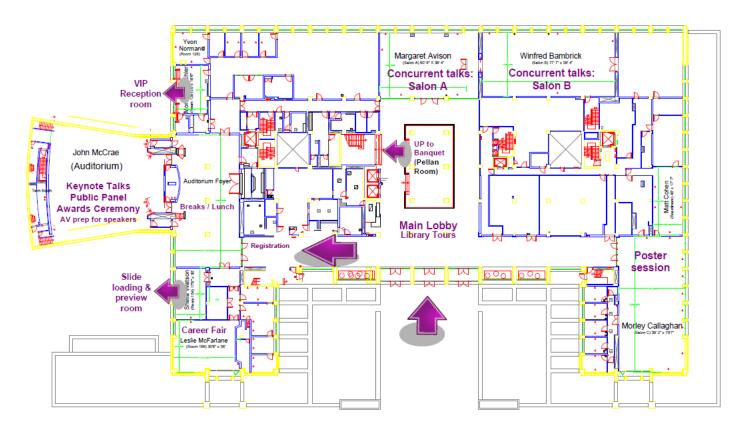
	2:15PM	LIVESTREAM / Auditorium: Keynote & Performance		
		Moderator: Dr. Chinyere Nwafor-Okoli		
2024	2:15PM to	Keynote: Dr. Karl-Frédéric Vieux Unraveling the regulation and function of RNA tailing in reproductive and developmental biology		
7	3:30PM	Moderator: Mr. Oluwatimilehin Adebayo		
		Special guest performance: Afro Dance Crew		
t 1	3:30 to 4:30PM Foyer: Refreshments & Networking			
<u>S</u>	4:40PM	LIVESTREAM /Auditorium: Awards Ceremony		
\supset		MC: Dr. Lawrence Goodridge		
hursday August		Remarks: Rt. Hon. Michaëlle Jean (in person)		
		Presentation of Conference Awards		
	4:40PM to 6:30PM	Dr. Kimberley Gauthier, Dr. Loydie Jerome-Majewska		
		Presentation of Career Awards		
		Dr. Trevor Charles		
70		Remarks: Hon. Arielle Kayabaga, MP (live, online)		
O		Special Guest Performance: Dr. El Jones (in person)		
5		President's Remarks & Closing: Dr. Maydianne Andrade & Dr. Lawrence Goodridge		
=		Emancipation Day Banquet (Separate registration required)		
=		Pellan room (2nd floor)		
	6:45PM to	MC: Dr. Maydianne Andrade		
	9:00PM	Special guest performance: Miss McLeod (Redemption Song)		
		Banquet: A tribute to Freedom in the Caribbean & the Streets of Johannesburg		
		Closing Remarks & Farewell		

WEDNESDAY JULY 31st: Poster Session

SECTION	#	Name	Title
	P1	Raliat Abioye	Functional significance of food-derived peptides in inhibiting islet amyloid polypeptide (IAPP) fibrillation in type 2 diabetes management
	P2	Yanchen Dong	Modeling cerebro-costo-mandibular syndrome (CCMS) with tamoxifen-induced SNRPB deletion
	Р3	Anissa Francis	Alternative oxidase unlocked: developing an experimental tool for protein expression in Saccharomyces cerevisiae
	P4	Mulu Geletu	Investigating covalent HADC inhibitors for the treatment of Duchenne muscular dystrophy
Biomedical &	P5	Amirah-Iman Hicks	Tanycytes in sensory circumventricular organs
Molecular Research	P6	Sasha McDowell	Mechanisms of salt taste detection and modulation in Drosophila melanogaster
	P7	Sheri McDowell	Investigating the impact of host physiology on anti-tumor immunity
	P8	Cassandra Millet-Boureima	The role of TMED2 in craniofacial development
	P9	Sami Sedraoui	Lack of Compensatory Mitophagy in Skeletal Muscles During Sepsis
	P10	Abdoulie Touray	A phosphoinositide and cAMP crosstalk regulate quorum sensing in trypanosomes
	P11	Kerrice Bailey	A synthesis of the state of fast fashion in the top garment-producing countries: china, turkey, india, bangladesh, vietnam, and indonesia.
	P12	Tamara Franz-Odendaal	Fundamental and applied research in skeletal biology: evo-devo to space biology
Faalamy	P13	Kenzie Givens	Microbiome transmission mode influences host capacity for adaptation
Ecology, Sustainability &	P14	Alannah Grant	City living: the influence of urban stress on early rates of neurogenesis in eastern grey squirrels (Sciurus carolinensis)
Evolution	P15	Samantha Jones	The lake ice pump: a conceptual model for carbon delivery from inland waters to the coastal ocean
	P16	Angela Kross	Shedding light on shadow effects: assessing vegetation indices across different lightning conditions
	P17	Patrick Ndayambaje	Enhancing green roof performance through native plant diversity: implications for urban ecosystem services
	P18	Dara Dillon	Enhancing diversity in stemm: the role of predictive analytics and mobile technology in supporting black participation
	P19	Parnor Madjitey	Exploring the perspectives of Liberian frontline health workers on ethical tensions experienced during the Ebola epidemic and COVID-19 pandemic
Equity & Justice	P20	Tanya Matthews	The impact of race, culture, and income inequality on literacy practices in the black communities of montreal
	P21	Temitayo Sodunke	Exploring multifactorial barriers and resources for accessing equitable mental health care among african nova scotians (embrace-ans)
	P22	Nomusa Mngoma	Equitable access to mental health care for black and indigenous peoples in canada: a scoping review
	P23	Jim Ayukekbong	Identification of the transition point of covid-19 from a pandemic to an endemic disease through respiratory viruses surveillance
	P24	Yumi Dille	Impact of Health Inequity-Induced Risk Factors on Midline Brain Malformations
	P25	Nomusa Mngoma	Development and evaluation of a training program to enhance care and support of victim/survivors of sexual violence
	P26	Keisha Jefferies	Understanding the social and structural factors impacting people of african descent with uterine fibroids in nova scotia
Medical &	P27	Keisha Jefferies	Uterine fibroids and black people of african descent: a scoping review
Public Health	P28	Queen Jacques	Blazing a trail - validation of a cannabis health literacy tool
Research	P29	Divine-Favour Ofili	Risk of comorbidity with cardiovascular diseases in people living with diabetes in Africa
	P30	Stephen Ogbodo	Population-level effect of COVID-19 vaccination coverage on transmission and mortality during Omicron variant dominance: a global longitudinal analysis
	P31	Dharamdeo Singh	Characterizing salmonella enterica serovars from dry foods
	P32	Sacha Williams	The impact of gender on pediatric surgical care in africa
	P33	Queen Jacques	Insights from the ground: a qualitative investigation of specific factors influencing cannabis retailers in nl
Neuroscience &	P34	Bailey Agard	The impact of repetition on the development of memory functions
Psychology	P35	Renée Lawson	Assessing baseline tms-eeg markers of anxiety symptoms in patients with major depressive disorder (mdd)

WEDNESDAY JULY 31st: Poster Session

SECTION	#	Name	Title		
Advancements	P36	Norman Israel	Inverse design of metamaterial waveguide gratings using machine learning		
in Al and Physical	P37	Jyoti Kotecha	na Overview of C2MCI research and opportunities		
Sciences	P38	Peter Mensah	Noise Exposure Assessment of Montreal Metro's Orange Line		
Science	P39	Ryan Bossou Tihoun	Homemade spectrophotometer: affordable science for educational innovation.		
Education	P40	Terkuma Chia	Assessments in Anatomy: Exploring Faculty Perspectives, Challenges, and Solutions Through a Focused Group Discussion		
	P41	Hanad Adan	Role of the transcription factor Kaiso in TGFβ-mediated triple-negative breast cancer metastasis		
Translational	P42	Stephanie Ali Fairbairn	Kaiso, androgen receptor and increased mortality of women of African ancestry with triple-negative breast cancer		
Research	P43	Ibukunoluwa Naiyeju	Development of Co-Cuture Spheroids as potential models for Atherosclerotic Disease Modelling		
	P44	Joab Ogato	Fabrication of bone marrow extracellular matrix scaffolds with 3D printed predefined internal microarchitecture promoting vascularization		
Science Education	P45	Luciana Baruffaldi	Two Bugs / One Stone: Breaking Barriers to Biology for Underserved Students Through Interactive Invertebrate Behaviour Experiences		
	P47	Noah Bryan	Is the water safe to drink? The rapid test is the missing link!		
Science Fair Projects		Munir Altaher	Changing the way we refill electric cars		
		Joy Akinkunmi	Pill smart 2.0		
		Simisolaoluwa Shodunke	Eco-Life Smart App		
Art & STEMM Advocacy	P48	Ezinne Ekediegwu	The Enduring Struggle of Endometriosis: Art as Advocacy		



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A Book Sale During the poster session

Used books from the <u>Friends of the Library & Archives</u>

<u>Perfect Books</u> (Ottawa)- Carrying books by El Jones and George Elliott Clarke

(The authors will be available for a book signing on August 1)

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