

ALDRICH CONFERENCE 2020 SCHEDULE

Emerging Scholars: Create, Advocate, and Transform the Future

March 21st			
Room: A1043			
Time	Presenter	Field	Presentation Title
8:00-8:40 am	Registration in lower Atrium of Bruneau Centre		
8:45-9:00 am	Welcome from the SGS in lower Atrium of Bruneau Centre		
9:00-9:20 am	Felix Ayesu	Psychology	Exploratory the differential links between various spatial abilities and mathematical proficiencies in Adults: the role of the number line.
9:20-9:40 am	Kristen K. Dyson and Kelly Greenfield	Psychology	Learners as Leaders: Building Capacity for Students as Emerging Publicly Engaged Scholars
9:40-10:00 am	Victoria Kavanagh	Psychology	The Effect of Background Context on Production
10:00-10:20am	Brit Kolditz	Philosophy	Sensuous sensibility and a marine soundscape under a fading starry night sky
10:20-10:40am	Bryan Heystee	Philosophy	George Grant and Leo Strauss on liberalism
10:40-11:00am	Nutrition Break in lower Atrium of Bruneau Centre		
11:00-11:20am	Lisa Holdsworth	Philosophy	Did the Ancient Romans practice talk therapy? An Investigation into Classical Psychagogy
11:20-11:40am	Dr. Benjamin Teye Kojo Boison and Dr. Anne Burke	Education	A Multiculturally Intelligent Online Higher Education System: Towards an Inclusive Framework for Diverse Learners
11:40-12:00pm	Zareen Asim	Education	Becoming an Inclusive Educator: Adopting Universal Design for Learning (UDL)
12:00-1:00 pm	Lunch in lower Atrium of Bruneau Centre		
1:00-2:00 pm	Keynote Speech, Ms. Nicole Helwig, in IIC-2001 of Bruneau Centre		
2:00-2:20 pm	Ling Li	Education	The Influence of Home Factors on Mandarin-Speaking Children's Expressive Language
2:20-2:40 pm	Karina Esparza Sosa	Education	Advocating for gender and sexuality alliances (GSA): Exploring GSA advisors' social networks and social capital
2:40-3:00 pm	Khalid Al Hariri	Education	Has the IELTS test failed us? An examination of two IELTS cases
3:00-3:20 pm	Marjan Koshparvar	Education	The Performance of Iranian EFL students in Reading Comprehension: An Exploration of Student's Perceptions Using Weiner's Attribution Theory
3:20-3:40 pm			
3:40-4:00 pm	Nutrition Break in lower Atrium of Bruneau Centre		
4:00-5:30 pm	Poster Presentation in lower Atrium of Bruneau Centre		

ALDRICH CONFERENCE 2020 SCHEDULE

Emerging Scholars: Create, Advocate, and Transform the Future

March 21st			
Room: A1045			
Time	Presenter	Field	Presentation Title
8:00-8:40 am	Registration in lower Atrium of Bruneau Centre		
8:45-9:00 am	Welcome from the SGS in lower Atrium of Bruneau Centre		
9:00-9:20 am	Brittany Pittman	Mathematics and Statistics	The Watchman's Walk Problem on Directed Graphs
9:20-9:40 am	Ahmad H. Alkawasbeh	Mathematics and Statistics	Graceful labelling of kC_n Snakes
9:40-10:00 am	MOZHGAN FARAHANI	Mathematics and Statistics	The deduction model for cops and robber
10:00-10:20am	Fatemeh Ghorbanivashki	Mathematics and Statistics	The history of Watchman's walk problem
10:20-10:40am	Matthew Drew	Physics and Physical Oceanography	Glacial Hydrology and the North American Ice Sheet
10:40-11:00am	Nutrition Break in lower Atrium of Bruneau Centre		
11:00-11:20am	Marisa Aimee Dusseault	Physics and Physical Oceanography	Radiocarbon Dating Marine Bivalve Mollusks: Challenges and Opportunities
11:20-11:40am	Stephen Campbell	Physics and Physical Oceanography	Poking Atoms with Light: Identifying Disorder in Solids using Infrared Spectroscopy
11:40-12:00pm	Melissa Cheryl Cook	Earth science	Geochemical Bioenergetics and Microbial Metabolisms at a Terrestrial Site of Serpentinization: the Tablelands, NL
12:00-1:00 pm	Lunch in lower Atrium of Bruneau Centre		
1:00-2:00 pm	Keynote Speech, Ms. Nicole Helwig, in IIC-2001 of Bruneau Centre		
2:00-2:20 pm	Theodore Stanoev	Earth science	On Taylor approximations of travel times
2:20-2:40 pm	Sabir Manzoor	Electrical Engineering	Load analysis of the first Passive House in Newfoundland and design a PV system to meet all energy requirements using the self-consumption technique.
2:40-3:00 pm	Maria	Electrical and Computer Engineering	Satellite-based Shoreline Classification for an Oil Spill Response
3:00-3:20 pm	Alaa Alhowaide	Computer science	Features Quality Impact on Cyber Physical Security Systems
3:20-3:40 pm			
3:40-4:00 pm	Nutrition Break in lower Atrium of Bruneau Centre		
4:00-5:30 pm	Poster Presentation in lower Atrium of Bruneau Centre		

ALDRICH CONFERENCE 2020 SCHEDULE

Emerging Scholars: Create, Advocate, and Transform the Future

March 21st			
Room: A1046			
Time	Presenter	Field	Presentation Title
8:00-8:40 am	Registration in lower Atrium of Bruneau Centre		
8:45-9:00 am	Welcome from the SGS in lower Atrium of Bruneau Centre		
9:00-9:20 am	Alireza Jahanbakhsh	Ocean and Naval Architectural Engineering	Investigating the Non-Cavitating Propeller-Induced Ship Hull Vibrations
9:20-9:40 am	Alessandro Zambon	Ocean and Naval Architectural Engineering	Torsional vibrations in propulsion shaftlines of Ice-Class ships: validation of a simplified numerical model via full-scale measures
9:40-10:00 am	Shahbaz Khan	Civil Engineering	Field performance of flexible pavement using Multi Depth Deflectometer
10:00-10:20am	Md. Masud Rana	Civil Engineering	Assessment of Climate Change Impact on Performance of Pavement in Newfoundland, Canada
10:20-10:40am	Rayhan Bin Ahmed	Civil Engineering	Rheological Characterization of Rejuvenated Asphalt Binders
10:40-11:00am	Nutrition Break in lower Atrium of Bruneau Centre		
11:00-11:20am	Md Rakibul Alam	Civil Engineering	A Systematic Approach to Estimate GWP from Pavement Vehicle Interaction Using Canadian LTPP Data
11:20-11:40am	Mohammed Taleb-Berrouane	Process Engineering	Corrosion Data Analytics - Methods and Techniques
11:40-12:00pm	Dipesh Maharjan	Process Engineering	CALCULATING FRICTIONAL LOSSES IN BELLEVILLE SPRINGS BY GEOMETRICAL INTERPOLATION
12:00-1:00 pm	Lunch in lower Atrium of Bruneau Centre		
1:00-2:00 pm	Keynote Speech, Ms. Nicole Helwig, in IIC-2001 of Bruneau Centre		
2:00-2:20 pm	Seyyed Masoud Seyyedattar Shoushtar	Process Engineering	Advanced Petroleum Reservoir Fluid and Rock Characterization towards Enhanced Oil Recovery
2:20-2:40 pm	Shams Anwar	Process Engineering	Research analysis of Li-ion batteries in automobile industries
2:40-3:00 pm	Kavi Heerah	Environmental Science	Dissolved organic matter, an often-overlooked substance in natural sciences
3:00-3:20 pm	Riad Eissa	Environmental Science	The optimal biochar application rate for boosting forage dry matter yields
3:20-3:40 pm	Thuong Ba Le	Environmental Science	Graminoid removal reduced the increase of N ₂ O fluxes due to nitrogen fertilization in a boreal peatland
3:40-4:00 pm	Nutrition Break in lower Atrium of Bruneau Centre		
4:00-5:30 pm	Poster Presentation in lower Atrium of Bruneau Centre		

ALDRICH CONFERENCE 2020 SCHEDULE

Emerging Scholars: Create, Advocate, and Transform the Future

March 21st			
Room: A1049			
Time	Presenter	Field	Presentation Title
8:00-8:40 am	Registration in lower Atrium of Bruneau Centre		
8:45-9:00 am	Welcome from the SGS in lower Atrium of Bruneau Centre		
9:00-9:20 am	Dawn Olivia Murphy	Business Administration	How the Mental Health of Leaders Impact Perceptions of their Warmth and Competence
9:20-9:40 am	Amr Alagouza	Business Administration	Linking Industrial Symbiosis with Circular Economy and Sharing Economy Within Industrial and Business Parks in Canada.
9:40-10:00 am	Lucas Knill	Boreal Ecosystems and Agricultural Sciences	Examining the effects of the Paper making process on sheet caliper - An assessment of statistics and machine learning techniques
10:00-10:20am	Blessing Ivie Akpoguma	Boreal Ecosystems and Agricultural Sciences	The Importance of Peatland Pools in Estimating CO2 Emissions
10:20-10:40am	Veronica Madsen	Geography	Fort Good Hope Transitional Home for Men: A Healing Journey Back to Home
10:40-11:00am	Nutrition Break in lower Atrium of Bruneau Centre		
11:00-11:20am	Tolulope Victoria Akerele	Geography	Understanding the implications of socio-demographic factors on transit use among immigrants in Canada
11:20-11:40am	Julie Reimer	Geography	Potential contributions of marine area-based management tools to Sustainable Development Goal 14: Life Below Water
11:40-12:00pm	Lucas Brehaut	Geography	Pre-dispersal seed herbivory across northern treelines of North America
12:00-1:00 pm	Lunch in lower Atrium of Bruneau Centre		
1:00-2:00 pm	Keynote Speech, Ms. Nicole Helwig, in IIC-2001 of Bruneau Centre		
2:00-2:20 pm	Mayra Sanchez Alvarez	Environmental Policy	Social and Ecological Tension in Gros Morne National Park: Accessibility for Seniors in National Parks' Trail Systems
2:20-2:40 pm	Jackie-Ray Bauman	Environmental Policy	Marine protection in Atlantic Canada: Effectiveness and Community Engagement
2:40-3:00 pm	Stephen Alan Hextall	Environmental Policy	Understanding the Potential Application of Climate Change Education Within Provincial Climate Change Policy
3:00-3:20 pm			
3:20-3:40 pm			
3:40-4:00 pm	Nutrition Break in lower Atrium of Bruneau Centre		
4:00-5:30 pm	Poster Presentation in lower Atrium of Bruneau Centre		

ALDRICH CONFERENCE 2020 POSTER SCHEDULE
Emerging Scholars: Create, Advocate, and Transform the Future

March 21st			
Venue: Lower Atrium of Bruneau Centre			
Time	Presenter	Field	Presentation Title
4:00-5:30 pm	Nnamdi Wilson Ozah	Computer science	Compression improves image classification accuracy
	Tayebeh Sohrabi	Education	Communication Skills Development Through Games
	Samantha Young	Environmental Policy	Creating Food Security and Resiliency in Rural Canadian Communities
	Robin Pianosi	Environmental Policy	To what extent are GHG emissions from fisheries on global public and private agendas?
	ABDUL-LATIF ALHASSAN	Environmental Policy	Enhancing capacity of NGOs in Climate Change Adaptation in Northern Ghana Inspirations from ENGOs in Canada
	Alireza Vahedi Nemani	Mechanical Engineering	Effect of Heat Treatment on the Microstructure and Anisotropic Mechanical Properties of the Wire Arc Additively Manufactured ER70S-6 Wall
	Xin Zhang	Mechanical Engineering	Drag reduction by linear flexible polymers and its degradation in turbulent flow: A phenomenological explanation from chemical thermodynamics and kinetics
	Amin Etminan	Mechanical Engineering	The Influence of HSE Management Systems on Continuous Improvement
	Mahya Ghaffari	Mechanical Engineering	Effect of Solidification Defects on the Anisotropic Mechanical Properties of a Wire Arc Additive Manufactured Low Carbon Low Alloy Steel Part
	Emily	Biology	The Relationships Between Amyotrophic Lateral Sclerosis, Parkinson Disease And Ageing Genes In Drosophila Models
	Finbar Hefferon	Sociology	Fighting Climate Change in Eastern Europe and Beyond: Internal Influences and Globalizing Forces
	Katherine Morton Richards	Sociology	Healing Place: Demolished Residential Schools and Reconciliation
	Forough Emam	Gender studies	The Double Life of Taj al-Saltana: A Narrative Analysis of a Memoir
	Sarah Kuehn	Archaeology	Leukoma staminea: A New Proxy for Palaeoenvironmental Conditions on the Pacific Northwest Coast
	Sarah M. Wilson	Archaeology	Advocating for the Importance of Cultural Landscapes through Archaeological Perspectives
	Ian Predham	Arts/Archaeology	Refining Methods of Microgrowth Analysis of Mya arenaria: A New Approach for Assessing Harvest Pressure in Port Joli, Nova Scotia
	Angeline Jones	Anthropology	A Boatload of Support: Improving Graduate School Experience by Fostering Collegiality in Emerging Scholars
	Brandy Biggar	Ocean Sciences	The effects of extreme weather events on a globally distributed invasive species, Carcinus maenas
	Sunisha Aryal	Pharmacy	Natural products as prospective alternative treatments for neurodegenerative disease
	Georgia Darmonkow	Medicine	Don't Infect Your Heart, Use Clean Works from the Start: A Community Health Research Project, How cocaine and dirty needles are turning 20-somethings into heart patients
	Rosemary Stanoev	Medicine	An Evaluation of Midwifery in Newfoundland and Labrador
Ramseyer Apau Bediako	Medicine	INADEQUACY OF CURRENT MECHANISMS FOR MONITORING CLINICAL RESEARCH	
Mahesha Umayangani Asiriwardhana	Biochemistry	How supplemental guanidinoacetate metabolism depends on dietary methionine level in neonatal piglets?	
Han Peng	Biochemistry	Preparation of quercetin mono-esters and their antioxidant activity as affected by the acyl chain length	

ALDRICH CONFERENCE 2020 SCHEDULE
Emerging Scholars: Create, Advocate, and Transform the Future

March 22nd			
Room: A1043			
Time	Presenter	Field	Presentation Title
8:00-9:00 am	Registration in lower Atrium of Bruneau Centre		
9:00-9:20 am	Cerren Richards	Ocean Sciences	Biological traits of seabirds predict extinction risk and vulnerability to anthropogenic threats
9:20-9:40 am	Samantha Crowley	Ocean Sciences	Genetic Influence on Survival, Growth, and Lipid Content of Juvenile Farmed, Wild, and Hybrid Atlantic Salmon (<i>Salmo salar</i>) in Nature
9:40-10:00 am	Diala Akram Alqdeimat	Chemistry	Application of direct ethanol fuel cells
10:00-10:20 am	Ahmed Ali	Chemistry	Preparation and characterization of anodic catalysts for Direct Alcohol Fuel Cell
10:20-10:40 am	Aabid Bhat	Chemistry	Tandem Carbenoid C-H Functionalization/Conia-ene Cyclization of N-Propargyl Indoles Generates Pyrroloindoles under Cooperative Rh(II)/Zn(II) Catalysis
10:40-11:00 am	Nutrition Break in lower Atrium of Bruneau Centre		
11:00-11:20 am	Ernest Awoonor-Williams	Chemistry	Modelling Cysteine-Targeting Covalent Drugs
11:20-11:40 am	BOYANG GAO	Chemistry	The study of interactions between phosphate ion with solid calcium carbonate in aqueous solution
11:40-12:00 pm	Abhishek Rameshwar Suryawanshi	Chemistry	Fuel Cell: The Real Breakthrough to Future Automotive Technology
12:00-2:00 pm	Lunch in lower Atrium of Bruneau Centre		
2:00-2:20 pm	Xiaozhuo tang	Fisheries Science	A Hidden Markov Model for Ricker stock-recruit relationship
2:20-2:40 pm	Fatemeh Hatefi	Fisheries Science	Spatiotemporal models to improve stock size survey indices derived from stratified-random bottom-trawl surveys in the Northwest Atlantic.
2:40-3:00 pm	Alessandra Gentile	Fisheries Science	Reducing bycatch in the yellowtail flounder fishery on the Grand Bank under changing climate
3:00-3:20 pm			
3:20-4:00 pm	Nutrition Break in lower Atrium of Bruneau Centre		
4:00-5:00 pm	Closing Ceremony in IIC-2001 of Bruneau Centre		
6:00-9:00 pm	Dinner and Social Night in Bitters Pub & Restaurant		

ALDRICH CONFERENCE 2020 SCHEDULE
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March 22nd			
Room: A1045			
Time	Presenter	Field	Presentation Title
8:00-9:00 am	Registration in lower Atrium of Bruneau Centre		
9:00-9:20 am	Raniru Sergaevna Randunu	Biochemistry	Betaine and creatine in neonatal parenteral nutrition prevents the programming of blood pressure in adulthood in Yucatan miniature pigs
9:20-9:40 am	Shreyasi Sarkar	Biochemistry	Missing pieces to the diet-microbiota-health puzzle
9:40-10:00 am	Olatunji Anthony Akerele	Biochemistry	Effects of maternal diet high in omega-3 fatty acids on fetal brain development and pregnancy outcomes
10:00-10:20 am	Hong Dien Phan	Biochemistry	Understanding the role of extracellular vesicles in B cell communication
10:20-10:40 am	Indrayani Phadtare	Biochemistry	Extraction of shrimp oil enriched in astaxanthin from shrimp waste, and its potential role in obesity
10:40-11:00 am	Nutrition Break in lower Atrium of Bruneau Centre		
11:00-11:20 am	Modeline Longjohn	Biochemistry	Monitoring of pediatric B cell acute lymphoblastic leukemia (B-ALL) disease progression: an extracellular vesicle-based approach
11:20-11:40 am	Yao Pan	Biochemistry	Analysis of Antioxidant Compounds in Ethanol Extracts of Three Daily Fruits and Their Interactions
11:40-12:00pm			
12:00-2:00 pm	Lunch in lower Atrium of Bruneau Centre		
2:00-2:20 pm	Brad Richards	Social work	Trauma and Masculinity: Interventions that Work
2:20-2:40 pm	Parisa Tarahomi	Linguistics	Causative Constructions in Persian: a Critical Review of Voice-bundling Approach
2:40-3:00 pm	Hussein Albataineh	Linguistics	Exclamatives as Nonsententials: Evidence from Arabic and other languages
3:00-3:20 pm	Saleem Mohamed Abdelhady	Linguistics	What can the Definite Prefix (-al) tell us about the Jordan Valley?
3:20-4:00 pm	Nutrition Break in lower Atrium of Bruneau Centre		
4:00-5:00 pm	Closing Ceremony in IIC-2001 of Bruneau Centre		
6:00-9:00 pm	Dinner and Social Night in Bitters Pub & Restaurant		

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March 22nd			
Room: A1046			
Time	Presenter	Field	Presentation Title
8:00-9:00 am	Registration in lower Atrium of Bruneau Centre		
9:00-9:20 am	Arshad Ali Shaikh	Biology	Exploiting cellular signaling in <i>Streptomyces clavuligerus</i> for antibiotic production
9:20-9:40 am	Danielle Quinn	Biology	The complexity of species complexes: supervised machine learning to facilitate cryptic skate classification and observer training in real time
9:40-10:00 am	Alexander Stephen Byrne	Biology	Detection of <i>Mycobacterium avium</i> subsp. paratuberculosis mixed genotype infections in cultures derived from fecal samples
10:00-10:20 am	Jody-Ann Clarke	Biology	<i>Streptomyces</i> Specialized Metabolites for Agricultural Applications
10:20-10:40 am	Appucutti Arachchige Srimathi Praveenya Hemachandra Perera	Biology	Obese females in middle-childhood reduces cognitive ability and self-esteem in Sri Lanka
10:40-11:00 am	Nutrition Break in lower Atrium of Bruneau Centre		
11:00-11:20 am	Roshni Kollipara	Biology	CtrA regulation of Gene Transfer Agent expression in <i>Rhodobacter capsulatus</i>
11:20-11:40 am	Azra Hasan	Biology	Effect of altered expression of Drp1 and bcl-2 protein in selected neurons rescue Parkinsonian phenotype
11:40-12:00pm			
12:00-2:00 pm	Lunch in lower Atrium of Bruneau Centre		
2:00-2:20 pm	Rachel Hewitt	Medicine	Employing a Care Ethics Lens to Examine the use of Assistive Care Robots with Older Adults
2:20-2:40 pm	Janelle Skeard	Humanities	Mining “the Rock” Towards a benefit-sharing framework for Human Genetic Research in Newfoundland and Labrador, Historically
2:40-3:00 pm	Sydney Morgan Collins	Cognitive and behavioural ecology	Seabird personalities modulate risk exposure and susceptibility
3:00-3:20 pm	Gale Franklin	Ethnomusicology	Political Remembering and the Nostalgic Performance of Hagar
3:20-4:00 pm	Nutrition Break in lower Atrium of Bruneau Centre		
4:00-5:00 pm	Closing Ceremony in IIC-2001 of Bruneau Centre		
6:00-9:00 pm	Dinner and Social Night in Bitters Pub & Restaurant		

ALDRICH CONFERENCE 2020 SCHEDULE
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March 22nd			
Room: A1049			
Time	Presenter	Field	Presentation Title
8:00-9:00 am	Registration in lower Atrium of Bruneau Centre		
9:00-9:20 am	Chris Michael "Mick" Stevens	History	The Iron Horse and the Caribou
9:20-9:40 am	Kaitlyn Little	History	Advocating Colonialism Reimagined: Indigenous Hawaiians, British Colonial Enterprise and Indigenous Displacement in North America
9:40-10:00 am	Hannen Sabean	History	Uranium Mining in the Canadian North
10:00-10:20 am	Norman Potter	History	Born to Buck: Animal Participants and Animal Rights Activism in the Calgary Stampede
10:20-10:40 am	Andrew Eng	History	Pulcheria's Power: The Creation of the Virgin Empress Persona
10:40-11:00 am	Nutrition Break in lower Atrium of Bruneau Centre		
11:00-11:20 am	Rehan Sayeed	Anthropology	Cyber Islam- Transforming Narratives of Islamic Religious Authorities in Canada
11:20-11:40 am	Megan Garlie	Archaeology	Social Status and Diet: Using Stable Isotope Comparisons to Transform Preconceptions of the Past
11:40-12:00 pm	Rita Ujunwa Onah	Archaeology	Survived culture: Capitalizing on indigenous practices for cultural continuity by Igbo and Inuit
12:00-2:00 pm	Lunch in lower Atrium of Bruneau Centre		
2:00-2:20 pm	Yalitsa Riden	Fine Arts	Dar Be Dar / Door To Door
2:20-2:40 pm	Sydney Burton	Gender studies	Queering the Byzantine
2:40-3:00 pm	Keif Godbout-Kinney	Sociology	AI and Sex Robots: An Examination of the Technologization of Sexuality
3:00-3:20 pm	Emmanuel Banchani	Sociology	Determinants of factors associated with Papanicolaou (Pap) smear screening among women in Lesotho.
3:20-3:40 pm	Shannon Pearson	Sociology	Lessons from a Non-Binary Researcher: Adaptability in Interviews
3:40-4:00 pm	Nutrition Break in lower Atrium of Bruneau Centre		
4:00-5:00 pm	Closing Ceremony in IIC-2001 of Bruneau Centre		
6:00-9:00 pm	Dinner and Social Night in Bitters Pub & Restaurant		