Pharmacy Research Day 2021 Schedule

**DATE: May 5,2021**

8:45 am – 9:00 am Virtual sign-in to Microsoft TEAMS – attendees will be held in the virtual lobby until the start of the event.

9:00 am – 9:15 am **WELCOME**

JM Gamble

Associate Clinical Professor and Associate Director Graduate Studies & Research

School of Pharmacy

Andrea Edginton

Professor and Hallman Director, School of Pharmacy

Associate Dean, Faculty of Science, University of Waterloo

9:15 am – 10:15 am **KEYNOTE PRESENTATION**

 *Quantitative Sciences in Support of Global Health R&D*

Dr. Jeff Barrett, PhD, FCP

Senior Vice President, Critical Path Institute

*Introduction by Andrea Edginton*

10:15 am—10:20 am **BREAK**

10:20 am – 11:35 pm **CONCURRENT ORAL PRESENTATIONS SESSION 1**

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|  | **Clinical Pharmacy, Pharmacoepidemiology, Pharmacoeconomics***Moderated by JM Gamble*  | **Pharmaceutical Sciences***Moderated by Emmanuel Ho* |
| **Time** | **Presenter** |  **Title** | **Presenter** | **Title** |
| 10:20 am – 10:45 am | Ashley Cid | The Impact of the COVID-19 Pandemic on Naloxone Dispensing in Ontario Community Pharmacies | Jesse St. Jean | Effects of amyloid beta aggregation on neuronal transcription |
| 10:45 am – 11:10 am | Sadaf Faisal | A qualitative study on the integration of a smart technology-based adherence system | Rahul Chowdary Karuturi | Novel 1,4-Diazepane Derivatives as Amyloid Beta (AÎ²) Aggregation Inhibitors |
| 11:10 am – 11:35 am | Cindy Hoi Ting Yeung | Estimating breastfed infant exposure to maternal medication: a workflow example with lamotrigine and future directions | Ahmed Hefny | Novel selenium-based molecules as drug candidates for Alzheimer`s Disease (AD) |

11:35 am–11:45 am **BREAK**

11:45 am – 12:30 pm **CONCURRENT POSTER SESSIONS**

 *Posters available for viewing all day in the Teams files tab; link to individual meetings in schedule below*

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| **Time** | **#** | **Presenter** | **Title** |
| 11:45 am –12:05 pm | 1 | Samuel Dubinsky | Pharmacokinetics of Commonly used Medications in Critically Ill Children Receiving Continuous Renal Replacement Therapy: A Systematic Review of Current Literature |
| 2 | Jiahao Huang | Supersaturation properties of polymer and lipid excipients for solid oral dosage forms |
| 3 | Shiv Naik | Molecular-Level Insights for Ligand-Mediated Targeting of Main Protease Dimerization in SARS-Cov-2 |
| 4 | Riley Woods | Atomistic modelling and simulation of TMEM16F - a mysterious human anoctamin paralogue |
| 5 | Faris Fizal | An online repository describing the effects of spike mutations on human ACE2 recognition by SARS-CoV-2 variants assessed using in silico analyses. |
| 6 | Kate Lim | Discontinuation of antipsychotics treatment for elderly patients within a specialized behavioural unit: a retrospective review |
| 7 | Shirley Wong | Generation of DNA gene delivery vectors using bacteriophage M13 |
| 8 | Maya Petgrave | Probing the impacts of glycosylation on the structure-functions of human cannabinoid receptors using computational and biochemical assays |
| 9 | Anita Hodor | Best Practices for the Implementation of Biosimilars: A Knowledge Synthesis Project and Tool for Clinicians |
| 12:10 pm –12:30 pm | 10 | Ying Li Weng | A Molecular Dynamics Study on the Ligand-bound SARS-CoV-2 Main Protease complexes |
| 11 | Nadia Dingelstad | A Key Residue in a Cryptic Pocket in the SARS-CoV-2 Mpro Enhances Ligand Binding Affinity |
| 12 | Ai-Leng Foong & Ariane Fung | Examining the reasons for low regulatory body discipline rates for Canadian hospital pharmacists  |
| 13 | Molly Lu | Understanding the structure and conformational dynamics of membrane-bound human VISTA immune checkpoint.  |
| 14 | Marzi Khavandi | Endocannabinoids as Amyloid-beta Aggregation Inhibitors |
| 15 | Jin Wang | Human dermal fibroblast-derived exosomes for mitigating scar formation in wound healing |
| 16 | John Kim | Universal hepatitis B vaccination strategies in newborns versus adolescents in Ontario, Canada: A cost-utility analysis |
| 17 | Kate Lim | A Scoping Review of the Literature on Protective Measures Taken by the Oncology Institutions in Response to COVID-19 |
| 18 | Faris Fizal | A new computational tool for the calculation and visualization of non-bonded interactions from molecular dynamic trajectories of biological systems. |
| 19 | Mat DeMarco | A Scoping Review of the Role of Pharmacy Technicians in Vaccination Programs |

12:30 pm—12:35 pm **BREAK**

12:35 pm – 1:00 pm **CONCURRENT LUNCH AND NETWORK MENTORSHIP SESSIONS**

**Clinical Pharmacy, Pharmacy Practice, Pharmacoepidemiology and Pharmacokinetics**

*JM Gamble moderating*

**Pharmaceutical Sciences**

*Emmanuel Ho moderating*

1:00 pm – 1:05 pm **BREAK**

1:05 pm – 2:20 pm **CONCURRENT ORAL PRESENTATIONS SESSION 2**

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|  | **Clinical Pharmacy, Pharmacoepidemiology, Pharmacoeconomics***Moderated by JM Gamble*  | **Pharmaceutical Sciences***Moderated by Emmanuel Ho* |
| **Time** | **Presenter** |  **Title** | **Presenter** | **Title** |
| 1:05 pm – 1:30 pm | Ai-Leng Foong | Characteristics, predictors, and reasons for regulatory body disciplinary action in healthcare: A scoping review | Arash Shakeri | Modeling the Inhibition Kinetics of Curcumin, Orange G and Resveratrol with Amyloid-â Peptide |
| 1:30 pm – 1:55 pm | Jacky Yu | Pharmacokinetic implications of dosing emicizumab based on vial size: A simulation study | Scott Gillis & Gurmeet Lall | Surface miscibility of gemini surfactants and DOPE in binary mixed monolayers |
| 1:55 pm – 2:20 pm | Wajd Alkabbani | Urinary tract infections associated with sodium-glucose co-transporter-2 inhibitors use in type-2 diabetes: A cohort study using real world data. | Yusheng Zhao | Novel Amide Derivatives as Modulators of Amyloid Beta (Aβ) Aggregation |

2:20 pm – 2:30 pm **CLOSING REMARKS**

JM Gamble

Associate Director Graduate Studies & Research, School of Pharmacy

*Please note this program is subject to change.*