

| | A | B | C | D | E | F |
|----|---------------------------------------|------------------------|----------------------|---|---|--------------------|
| 1 | WEDNESDAY POSTER PRESENTATIONS | | | | | |
| 2 | Presenter Last | Presenter First | Abstract ID # | Abstract Title | Category | Pres'n Date |
| 3 | Al Lawati | Hanan | 989 | Pharmacokinetics and biodistribution of traceable poly(ethylene oxide)-block-poly(ester) based micellar formulations of diclofenac: the effect of poly(ester) structure | Drug Delivery and Pharmaceutical Technology | WED |
| 4 | Al Nebaihi | Hamdah Mohammed | 1103 | The impact of diet induced obesity on the microsomal glucuronidation of propofol in rats | Pharmacokinetics and Pharmacodynamics | WED |
| 5 | Alam | Camille | 1009 | Upregulation of reduced folate carrier (RFC) by vitamin D enhances folate uptake at the blood-brain barrier (BBB) | Biomedical Sciences | WED |
| 6 | Alharbi | Abdulsalam | 1079 | Development of Novel Polymeric Micellar DACHPT for Enhanced Platinum Based Chemotherapy in Colorectal Cancer | Drug Delivery and Pharmaceutical Technology | WED |
| 7 | Alqahtani | Zuhair | 936 | Aspirin and Other Non-Steroidal Anti-Inflammatory Drugs Interactions: A Systematic Review | Clinical Sciences & Pharmacy Practice | WED |
| 8 | Baldwin | Emily | 1085 | Protein-triggered sustained release of FITC-dextran from microspheres modified with aptamer-containing DNA oligomers | Drug Delivery and Pharmaceutical Technology | WED |
| 9 | Bhatti | Masood | 1064 | The quantitative analysis of Titanium Dioxide in commonly used sunscreen cosmetics by ultraviolet-visible spectroscopy | Pharmaceutical & Analytical Chemistry | WED |
| 10 | Callender | Shannon | 1045 | Microemulsions: A Cure for All Ills? | Drug Delivery and Pharmaceutical Technology | WED |
| 11 | Chelle | Pierre | 1038 | Comparison of population PK and non-compartmental analyses for tailoring PK in hemophilia A with limited sampling | Pharmacokinetics and Pharmacodynamics | WED |
| 12 | Cho | Tiffany | 1122 | Using PD-1 knockout mice to test the potential of green tea extract and (-)-epigallocatechin-3-gallate (EGCG) to cause idiosyncratic drug-induced liver injury | Biomedical Sciences | WED |
| 13 | Cuddihy | Grace | 939 | Cytotoxicity Profiles of Lanthanide Compounds within Human Kidney (HEK-293), Liver (HEPG2), and Osteoblast (HOb) Cells in addition to Murine Pre-osteoclast (RAW 264.7) Cells | Drug Delivery and Pharmaceutical Technology | WED |
| 14 | De Jong | Stephanie | 1237 | Effect of Female Sex Hormones and Their Derivatives on Amyloid Beta Aggregation | Biomedical Sciences | WED |
| 15 | Gilabert-Oriol | Roger | 1032 | Fluorescence de-quenching and albumin-induced fluorescence enhancement assays to measure liposomal drug release of camptothecins and protein kinase inhibitors | Drug Delivery and Pharmaceutical Technology | WED |
| 16 | Hamza | Amel | 1239 | Bisphosphonate Drug Alveola Bone Burden in Osteoporosis | Drug Delivery and Pharmaceutical Technology | WED |
| 17 | Karimian Pour | Navaz | 1040 | Impact of Inflammation on the Expression of Renal Drug Transporters in Pregnancy | Pharmacokinetics and Pharmacodynamics | WED |
| 18 | Khalid | Mohamed Nabil | 1036 | Pilot scale-up and evaluation of starch-based spray dried microcapsules as controlled drug delivery and taste masking device | Drug Delivery and Pharmaceutical Technology | WED |
| 19 | Kitselman | Kayla | 1005 | Alpha-2C Adrenergic Receptor Expression in Rat Caudal Tail Arteries | Biomedical Sciences | WED |
| 20 | Lefebvre | Francis | 1035 | Investigating the Role of the IKK β Protein Kinase in Vascular Remodeling Events | Biomedical Sciences | WED |
| 21 | Loebenberg | Raimar | 960 | Preparation and solidification of esculetin nanocrystal: towards an innovative approach for hyperuricemia | Drug Delivery and Pharmaceutical Technology | WED |
| 22 | Sarfraz | Muhammad | 970 | The enhancement of the poor oral bio-availability of cefotaxime sodium using nano-mixed micelles formulation. | Drug Delivery and Pharmaceutical Technology | WED |
| 23 | Majcher | Michael | 1119 | Injectable, Covalently In Situ-Gelling Block Copolymers for the Improved Loading and Prolonged Release of Hydrophilic Drugs | Biomedical Sciences | WED |

Poster Presentation Day Assignments

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|----|---------------------------|-------------------|------|---|---|------------|
| 24 | Mann | Kelsey | 1083 | Nocturnal Hypoglycemia Associated with Bedtime Insulin Mixture Administration in Hospitalized Patients | Clinical Sciences & Pharmacy Practice | WED |
| 25 | Mirbagheri | Marziye | 981 | Wrinkled microparticles as new microcarriers for cell culture applications in vaccine production | Biomedical Sciences | WED |
| 26 | Mohammed | Munawar | 1027 | Development of mycophenolate mofetil (MMF) immunosuppressant as sustained release oral nanoparticles | Drug Delivery and Pharmaceutical Technology | WED |
| 27 | Neuman | Manuela | 1029 | Vascular endothelial growth factor a diagnostic test for POEMS Syndrome | Biomedical Sciences | WED |
| 28 | Nguyen | Anne | 1206 | Modulating Physicochemical Properties of a Small Peptide Drug by Chemical Conjugation | Drug Delivery and Pharmaceutical Technology | WED |
| 29 | Omeragic | Amila | 1024 | Role of Peroxisome Proliferator-activated Receptor-gamma (PPAR-gamma) in regulating inflammatory signalling in acute and chronic rodent models of HIV-1 associated brain inflammation | Biomedical Sciences | WED |
| 30 | Orlowski | Tatiana | 1043 | Determination of the effect of patient posture and fasting state on digital pulse wave features using a novel computational technique, Non Invasive Vascular Risk Prediction System (NIVAR), and potential application for assessment of Raynaud Phenomenon | Drug Delivery and Pharmaceutical Technology | WED |
| 31 | Poudel | Asmita | 965 | Lipid based liposomal formulation of phytosterols and tocopherols into functional food | Pharmaceutical & Analytical Chemistry | WED |
| 32 | Rahmouni | Miloud | 1234 | Application of design of experiments for optimizing critical quality attributes of scored controlled released tablet | Drug Delivery and Pharmaceutical Technology | WED |
| 33 | Rong | Yan | 988 | Effects of Tacrolimus on Mycophenolic Acid Exposure in de novo, Steroid-Free Adult Kidney Transplant Patients | Pharmacokinetics and Pharmacodynamics | WED |
| 34 | Said | Somiraa | 966 | Repetitive On-demand Drug Delivery by External Triggering of Injectable Magnetic Hydrogels Incorporated with Glass Transition (Tg) Switchable Nanoparticles | Drug Delivery and Pharmaceutical Technology | WED |
| 35 | Shen | Yen Ting | 1072 | Quantitative and Qualitative Analysis of a Bioluminescent BRCA Deficient Model of Serous Ovarian Cancer | Biomedical Sciences | WED |
| 36 | Shoieb | Sherif | 984 | S-Enantiomer of 19-Hydroxyeicosatetraenoic Acid Preferentially Protects Against Angiotensin II-Induced Cardiac Hypertrophy | Biomedical Sciences | WED |
| 37 | Shortall | Samantha | 1124 | Striking a Balance: Interactions of Pluronic and Gemini Surfactants for Gene Therapy Nanoparticles | Drug Delivery and Pharmaceutical Technology | WED |
| 38 | Siu | Wendy | 1010 | Examining the Cholesterol Synthetic Pathway in the Search for New Druggable Targets for Glioblastoma | Biomedical Sciences | WED |
| 39 | Soleymani Abyaneh | Hoda | 967 | Dynamic PEGylation Reduces the Viscosity of Concentrated Protein Solutions | Drug Delivery and Pharmaceutical Technology | WED |
| 40 | Tabatabaei Dakhili | Seyed Amirhossein | 1120 | Effect of Synthesis Conditions on the Properties of Bone-Targeting Bisphosphonate- Conjugated Superparamagnetic Iron Oxide Nanoparticles (BP-SPIOs) | Drug Delivery and Pharmaceutical Technology | WED |
| 41 | Tabatabaei Dakhili | Seyed Amirhossein | 1102 | FOXO1 inhibitors: A structural activity relationship study | Pharmaceutical & Analytical Chemistry | WED |
| 42 | Tanha | Shima | 976 | In vivo wound healing Effect of G-CSF loaded nanofiber/nanoparticle composite | Drug Delivery and Pharmaceutical Technology | WED |
| 43 | Thompson | Michael | 962 | Core-Shell Spray Dried Dry Powder Vaccines for Controlled Enteric Delivery | Drug Delivery and Pharmaceutical Technology | WED |
| 44 | Thomson | Jonathon | 1059 | Needs Assessment and Online Program for Physiotherapists in Alberta Regarding Physical Function and Drugs | Clinical Sciences & Pharmacy Practice | WED |

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| 45 | Traore | Yannick | 979 | Segmented Intravaginal Ring for dual delivery of siRNA-encapsulated Nanoparticles and Hydroxychloroquine as a prevention strategy for HIV infection | Drug Delivery and Pharmaceutical Technology | WED |
| 46 | Vassileva | Vessela | 1128 | Combining statins with radioimmunotherapy as a novel therapeutic strategy for colorectal cancer | Biomedical Sciences | WED |
| 47 | Ward | Rachel | 1002 | Potential neuroprotective effects of wild blueberries: a pilot study | Biomedical Sciences | WED |
| 48 | Wasan | Kishor | 973 | A mucoadhesive lipidic delivery system of the adjuvant innate defense regulator (IDR)-1002 | Drug Delivery and Pharmaceutical Technology | WED |
| 49 | Yeung | Pollen | 972 | Assessing cardiovascular toxicity of doxorubicin and isoproterenol by hemodynamics and in vivo catabolism of adenosine 5'-triphosphate | Pharmacokinetics and Pharmacodynamics | WED |
| 50 | | | | | | |
| 51 | THURSDAY POSTER PRESENTATIONS | | | | | |
| 52 | Presenter Last | Presenter First | Abstract ID # | Abstract Title | Category | Pres'n Date |
| 53 | Adibnia | Vahid | 1053 | Macro- and micro-fabrication of chitosan hydrogels with anisotropic pores for biomedical applications | Biomedical Sciences | THURS |
| 54 | Al Maayah | Zaid | 1004 | DOX-Vit D, a novel doxorubicin derivative, inhibits human osteosarcoma cell proliferation by inducing apoptosis while inhibiting Akt and mTOR signaling pathways | Biomedical Sciences | THURS |
| 55 | Alammari | Ahmad | 985 | Fluconazole Protects Against Angiotensin II-induced Cellular Hypertrophy through Inhibiting Cytochrome P450 1B1 and its Associated Arachidonic Acid Metabolites in the Heart | Biomedical Sciences | THURS |
| 56 | Alrushaid | Samaa | 937 | In silico, in vitro and in vivo Pharmaceutical Investigations of a Novel Skeletal Muscle Regenerator | Pharmacokinetics and Pharmacodynamics | THURS |
| 57 | Alshikhey | Areej | 1238 | Microemulsion-based System for Transdermal Drug Delivery of Methimazole in Cats | Drug Delivery and Pharmaceutical Technology | THURS |
| 58 | Amaral Silva | Daniela | 934 | Are Excipients Inert? Phenytoin: A follow-up half a century later with new incompatibility insights | Drug Delivery and Pharmaceutical Technology | THURS |
| 59 | Chang | Hao Han | 1121 | Optimization of a New pH-Responsive Pore Former for Controlled Release Coating | Drug Delivery and Pharmaceutical Technology | THURS |
| 60 | Cohn | Iris | 1236 | Implementing Pharmacogenomics Testing in Paediatric Care | Clinical Sciences & Pharmacy Practice | THURS |
| 61 | De Silva | Franklyn | 1003 | Molecular Mechanisms of Mammalian Lignan Enterolactone in Modulating Cellular Lipid Homeostasis | Biomedical Sciences | THURS |
| 62 | Di | Yunyun | 929 | Scavenger Receptor Class B Type I (SR-BI) mediates the cellular uptake of Vyxeos TM into K562 leukaemia cells | Biomedical Sciences | THURS |
| 63 | Dojo Soeandy | Chesarahmia | 1084 | Apoptotic vs. necroptotic cell death analysis in an endothelin-1 model of cerebral ischemia | Biomedical Sciences | THURS |
| 64 | Dunne | Michael | 1068 | Heat-activated release and thermal enhancement of synergistic chemotherapies | Drug Delivery and Pharmaceutical Technology | THURS |
| 65 | Dunne | Michael | 1067 | Hyperthermia-mediated drug delivery increases cisplatin sensitivity and accumulation resulting in improved efficacy in triple negative breast cancer | Drug Delivery and Pharmaceutical Technology | THURS |
| 66 | Feng | Tianhua | 986 | Modeling the dynamic gating mechanism and small-molecule binding in the CaV1.2 channel | Biomedical Sciences | THURS |
| 67 | Greschner | Andrea A. | 982 | Precise orientation of thermally-sensitive biomolecules using DNA nanostructures: An exploration of non-thermal techniques for controlling DNA nanoassemblies | Drug Delivery and Pharmaceutical Technology | THURS |
| 68 | Han | Yi Rang | 1013 | Use of Confocal Fluorescence Imaging Techniques to Understand Phase Separation Behaviour during Dissolution of Amorphous Solid Dispersions | Pharmaceutical & Analytical Chemistry | THURS |

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|----|------------|-----------|------|--|---|-------|
| 69 | Hoang | Monica | 983 | Effects of diet-induced diabetes on β -cell specific aryl hydrocarbon receptor nuclear translocator/hypoxia-inducible factor-1 β (ARNT/HIF-1 β) knockout mice | Biomedical Sciences | THURS |
| 70 | Houdaihed | Loujin | 997 | Delivery of Paclitaxel and Everolimus in Dual-Targeted Polymeric Nanoparticles to Breast Cancer Cells | Drug Delivery and Pharmaceutical Technology | THURS |
| 71 | Huang | Jiahao | 1001 | Investigating the Correlation between Miscibility and Physical Stability of Solid Phospholipid Dispersions Using Fluorescence-Based Techniques | Pharmaceutical & Analytical Chemistry | THURS |
| 72 | Kelly | Erin | 1048 | Effect of polyphenols on markers of neurodegenerative disease | Biomedical Sciences | THURS |
| 73 | Khan | Salman | 1106 | Identification and Evaluation of the Prevalence of the Practice of Drugs and Opioids Abuse in Community Pharmacy | Clinical Sciences & Pharmacy Practice | THURS |
| 74 | Kojovic | Dea | 1086 | Role of elevated sFLT-1 on the regulation of placental transporters in women with pre-eclampsia. | Pharmacokinetics and Pharmacodynamics | THURS |
| 75 | Lamont | Matthew | 1174 | Binge Drinking During Adolescence Causes Persistent Behavioral Impairments and Elevated Pro-Inflammatory Proteins in a Rodent Model | Biomedical Sciences | THURS |
| 76 | Leclair | Marie-Eve | 992 | Biomimetic vector (BMVTM): an innovative skin delivery system | Drug Delivery and Pharmaceutical Technology | THURS |
| 77 | Lip | Ho Yin | 1081 | Modulation of the tumor microenvironment with manganese dioxide nanoparticles to re-educate macrophages and enhance doxorubicin efficacy | Clinical Sciences & Pharmacy Practice | THURS |
| 78 | Liu | Yuejian | 1049 | Correlating protein expression of human hepatic uridine diphosphate glucuronosyltransferases (UGTs): implications for UGT protein co-regulation. | Pharmacokinetics and Pharmacodynamics | THURS |
| 79 | Sarfraz | Muhammad | 969 | Nano-sized Droplets of Self-emulsifying System for Enhancing Oral Bio-availability of Etoposide in Rats | Drug Delivery and Pharmaceutical Technology | THURS |
| 80 | Magomedova | Lilia | 1241 | Arginine and Glutamate Rich 1 Knockdown is Protective Against High-fat Diet Induced Obesity and Metabolic Dysfunction | Biomedical Sciences | THURS |
| 81 | Malik | Paul | 1028 | A physiologically-based approach to the pharmacokinetics of anti-TNF agents in pediatrics | Pharmacokinetics and Pharmacodynamics | THURS |
| 82 | Meziadi | Ahlem | 971 | Microwave Enhanced Protein Folding | Drug Delivery and Pharmaceutical Technology | THURS |
| 83 | Neuman | Manuela | 1031 | Phytotherapy-induced hepatocytotoxicity | Clinical Sciences & Pharmacy Practice | THURS |
| 84 | Orlowski | Tatiana | 1033 | Investigation into the factors associated with anesthetic failure of hyperbaric bupivacaine, including the potential role of cold exposure on bupivacaine degradation | Pharmaceutical & Analytical Chemistry | THURS |
| 85 | Parmar | Manoj | 968 | Additive polyplexes as a non-viral delivery system for combinational siRNA therapy against CDC20 and survivin in breast cancer and non-malignant cells | Drug Delivery and Pharmaceutical Technology | THURS |
| 86 | Pawar | Grishma | 963 | Transnasal Mucosal Delivery of Brain-Derived Neurotrophic Factor Antagonists in Rat Brain using Cationic Liposomal Formulation | Drug Delivery and Pharmaceutical Technology | THURS |
| 87 | Rachid | Ousama | 1113 | Stimuli-sensitive Theranostic Nanoparticles for Targeted Imaging-Guided Drug Delivery | Drug Delivery and Pharmaceutical Technology | THURS |
| 88 | Rai | Raj | 964 | Engineering functionalized diamond nanoparticles for drug/gene delivery: biodistribution studies | Drug Delivery and Pharmaceutical Technology | THURS |
| 89 | Sachdeva | Robin | 1030 | Loss of cation channels of the TRPC family protects against the development of retinopathy in the STZ model and accumulation of reactive metabolites. | Biomedical Sciences | THURS |
| 90 | Saikali | Michael | 1077 | Developing an assay to quantify nuclear receptors by mass spectrometry | Pharmaceutical & Analytical Chemistry | THURS |
| 91 | Siyam | Tasneem | 975 | Developing and evaluating a patient decision aid for managing surgical menopause: The story behind the "SheEmpowers" patient decision aid (PDA) | Clinical Sciences & Pharmacy Practice | THURS |

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|----|---------------|--------------------|------|--|---|--------------|
| 92 | Smith | Alexander | 1051 | In silico homology modeling of human UDP-glucuronosyltransferase 1A6 (UGT1A6) reveals new insights into structural folding and binding of substrate and co-substrate | Pharmacokinetics and Pharmacodynamics | THURS |
| 93 | Tam | Vivienne | 1008 | Photocleavable Hydrogel-Coated Upconverting Nanoparticles for On-Demand Drug Delivery of Ultra-small Gold-Doxorubicin Conjugates | Drug Delivery and Pharmaceutical Technology | THURS |
| 94 | Tanha | Shima | 977 | Phenylbutyrate loaded solid lipid nanoparticles could improve cognition in Alzheimer's disease induced animal model | Drug Delivery and Pharmaceutical Technology | THURS |
| 95 | Teal | Carter | 1240 | Affinity Based Release of Protein Therapeutics to Treat Retinitis Pigmentosa | Drug Delivery and Pharmaceutical Technology | THURS |
| 96 | Wang | Lucy | 1082 | Liposomal Delivery of a Doxorubicin and Niraparib combination for the treatment of High Grade Serous Ovarian Cancer | Drug Delivery and Pharmaceutical Technology | THURS |
| 97 | Wondie | Gebremariam Birhar | 957 | Dexamethasone Loaded Multi-Layer Poly-L-Lactic Acid/Pluronic P123 Composite Electrospun Nanofiber Scaffolds for Bone Tissue Engineering and Drug Delivery | Drug Delivery and Pharmaceutical Technology | THURS |
| 98 | Yadav | Jayprakash | 933 | From Design to Deformation: Molecular Aspects and Implication of Structural Integrity in Binary Drug-Drug Eutectic Systems | Drug Delivery and Pharmaceutical Technology | THURS |