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Welcome to the College of Pharmacy's 2018 Research Day.

This annual event marks an exciting day in the college for our faculty, staff and students to present their findings, share their research, and network with potential collaborators.

From its earliest days, The Ohio State University’s College of Pharmacy has been a leader in pharmacy education and discovery. We value innovation, learning and the advancement of knowledge. We value research and its application toward improving the use of medications in society. And with these core values in mind, our college has continued to encourage our faculty, staff and students to be ground-breakers in their academics, research, and practice.

Our commitment to pharmacy education and discovery is being noticed on a national level. The College of Pharmacy is ranked sixth in the nation among all colleges of pharmacy by U.S. News & World Report. Last year, we catapulted to among the top 10 colleges of pharmacy in National Institute of Health (NIH) funding, and to the top 15 colleges of pharmacy among overall research funding. The work being done at our college is changing the face of health care, and I’m incredibly proud of all our efforts.

But we cannot change health care on our own – collaboration is key. Our college is an integral part of the world-class research being done at the university. With six other health science colleges and a nationally-ranked medical center right outside our front door, interprofessional teamwork is leading to novel solutions and technologies to address today and tomorrow’s health care problems.

This year’s Research Day is one of the many programs that demonstrates the collaborative nature of our work. We strive every day to be better in discovery, innovation, learning, and advancing the practice of pharmacy. I hope that you will join me in the celebration of the strides we made this year.

Best wishes,

Henry J. Mann, PharmD, FCCP, FCCM, FASHP
Dean and Professor, College of Pharmacy
The Ohio State University
Lang Li, PhD, joined Ohio State’s College of Medicine in 2017 as chair and professor of the Department of Biomedical Informatics. Prior to Ohio State, he served at Indiana University as faculty, the director of Computational Biology and Bioinformatics and associate director for the Indiana Institute of Personalized Medicine.

Li developed an international reputation for his use of biomedical informatics and systems pharmacology to evaluate drug efficacies and adverse drug events. He and his team have successfully discovered and validated epidemiological and pharmacological data for drug interactions by using various large-scale biomedical data sources. His translational research has been funded by awards from the National Institutes of Health and the National Sciences Foundation.

He is an author of over 175 manuscripts, and an investigator, co-investigator or mentor on 12 research awards totaling in more than $2 million a year in funding.
AGENDA

POSTER SESSION
8-9 a.m. Presenter Check-in and Set-up
9-11 a.m. Poster Session
9:30-11 a.m. Judging, presenters should remain at their posters

KEYNOTE
11:15 a.m.-12:15 p.m. Keynote Speaker: Lang Li, PhD

AWARDS
12:15 p.m. Awards Presentation
POSTERS

RESEARCH STAFF

USING FLUORESCENT PROTEINS TO STUDY CELL-CYCLE ACTIVATION IN ACUTE KIDNEY INJURY

Laura Jayne, Ji Young Kim, Yuntao Bai, Mei Ji He Ho Feng, Navjot Pabla
The Ohio State University College of Pharmacy, The Ohio State University Comprehensive Cancer Center

Presenting Author: Laura Jayne
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Research Staff
Poster Number: 1

CYTOTOXIC CONSTITUENTS WITH NF-κB AND MITOCHONDRIAL TRANSMEMBRANE POTENTIAL (MTP) INHIBITORY EFFECTS FROM SYZYGIUM CORTICOSUM

Yulin Ren¹, Gerardo David Anaya-Eugenio¹, Austin A. Czarnecki², Tran Ngoc Ninh³, Chunhua Yuan⁴, Hee-Byung Chai⁵, Djaja D. Soejarto²,⁵, Joanna E. Burdette², Esperanza J. Carcache de Blanco¹, A. Douglas Kinghorn¹
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Presenting Author: Yulin Ren
Division of Presenting Author: Medicinal Chemistry & Pharmacognosy
Rank of Presenting Author: Research Staff
Poster Number: 2
STRUCTURE-ACTIVITY RELATIONSHIPS BETWEEN PENTACYCLIC TRITERPENES AND THEIR CYTOTOXICITY AND NF-κB AND MITOCHONDRIAL TRANSMEMBRANE POTENTIAL (MTP) INHIBITORY EFFECTS

Yulin Ren¹, Gerardo D. Anaya-Eugenio¹, Austin A. Czarnecki², Chunhua Yuan³, Hee-Byung Chai¹, Djaja D. Soejarto²,⁴, Joanna E. Burdette², Esperanza J. Carcache de Blanco¹, A. Douglas Kinghorn¹
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Presenting Author: Yulin Ren
Division of Presenting Author: Medicinal Chemistry & Pharmacognosy
Rank of Presenting Author: Research Staff
Poster Number: 3

POST-DOCTORAL RESEARCHERS

A DESCRIPTION OF THE NATIONAL CLAIMS DATABASE IN GHANA

Daniel Ankrah, Jesper Hallas, James Odei, Francis Asenso-Boadi, Macarius Donneyong
College of Pharmacy, The Ohio State University; Korle-Bu Teaching Hospital, Accra; Institute of Public Health, University of Southern Denmark; College of Public Health, The Ohio State University; Ghana National Health Insurance Authority.

Presenting Author: Daniel Ankrah
Division of Presenting Author: Pharmacy Practice & Science
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 4
BENEFITS AND RISKS OF ARTEMETHER-LUMEFANTRINE VERSUS ARTESUNATE-AMODIAQUINE USING THE PHRMA BRAT FRAMEWORK

Daniel Ankrah, Macarius Donneyong
College of Pharmacy, The Ohio State University

Presenting Author: Daniel Ankrah
Division of Presenting Author: Pharmacy Practice & Science
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 5

EVALUATION OF ANTI-SENSE-221-LOADED EVS BIODISTRIBUTION IN A HEPATOCELLULAR CARCINOMA ORTHOTOPIC MOUSE MODEL

Mohamed Badawi¹, Jinmai Jiang², Steve Pomeroy², Xiaohua Zhu¹, Thomas D. Schmittgen², Mitch Phelps¹
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Presenting Author: Mohamed Badawi
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 6

NANOPARTICLE ORIENTATION TO CONTROL RNA LOADING AND LIGAND DISPLAY ON EXTRACELLULAR VESICLES FOR CANCER REGRESSION

Daniel W. Binzel¹⁴, Fengmei Pi¹⁴, Tae Jin Lee³⁵⁸, Zhefeng Li¹⁴, Meiyan Sun⁶, Piotr Rychahou⁷, Hui Li¹⁴, Farzin Haque¹⁴, Shaoying Wang¹⁴, Carlo M. Croce³⁵, Bin Guo⁶, B. Mark Evers⁷ and Peixuan Guo¹⁵
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Presenting Author: Daniel Binzel
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 7
ENHANCING THERAPEUTIC EFFICACY OF THE CDK4/6 INHIBITOR, ABEMACICLIB, BY BLOCKING AUTOPHAGY IN HUMAN HEAD AND NECK SQUAMOUS CELL CARCINOMAS

Ernest Duah, Eric Eisenman, Nathan Seligson, Junan Li and Ming Poi
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Presenting Author: Ernest Duah
Division of Presenting Author: Pharmacy Practice & Science
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 8

CHEMOPREVENTIVE TARGETING OF THE ANDROGEN RECEPTOR IN HEPATOCELLULAR CARCINOMA

Timothy H Helms¹, Dana M LeMoine², Jennifer M Thomas-Ahner³, Moray Campbell⁴, Steven K Clinton³ and Christopher C. Coss⁴
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Presenting Author: Timothy Helms
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 9

TARGETING OATP1B2 TO AMELIORATE PACLITAXEL-INDUCED CHRONIC PERIPHERAL NEUROPATHY

Alix F. Leblanc¹, Jason A. Sprowl², Paola Alberti³, Alessia Chiorazzi³, William D. Arnold⁴, Guido Cavaletti³, Alex Sparreboom¹, and Shuiying Hu¹
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Presenting Author: Alix Leblanc
Division of Presenting Author: Pharmacology
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 10
S100A8 AND S100A9 PROTEINS IN TYROSINE KINASE INHIBITOR RESISTANCE IN FLT3-ITD-POSITIVE ACUTE MYELOID LEUKEMIA

Megan E. Zavorka Thomas1, Daelynn R. Buelow1, Jae Yoon Jeon1, Stanley B. Pounds2, Sharyn D. Baker1,3
Divisions of 1Pharmaceutics and Pharmaceutical Chemistry and 3Hematology, The Ohio State University & Comprehensive Cancer Center, Columbus, OH; 2Department of Biostatistics, St. Jude Children’s Research Hospital, Memphis, TN

Presenting Author: Megan Zavorka Thomas
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 11

TRITERPENOIDS AND PHENOLIC COMPOUNDS FROM THE LICHEN NIEBLA HOMALEA

Yan Zhang, Choon Yong Tan, L. Harinantenaina Rakotondraibe*
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Presenting Author: Yan Zhang
Division of Presenting Author: Medicinal Chemistry & Pharmacognosy
Rank of Presenting Author: Post-Doctoral Researcher
Poster Number: 12

GRADUATE STUDENTS

BIOASSAY-GUIDED ISOLATION OF CYTOTOXIC COMPONENTS FROM THE STEMS OF STREPTOCAULON GRIFFITHII

Ermias Mekuria Addo1, Joshua M. Henkin2, Austin A. Czarnecki2, Tran Ngoc Ninh3, Yulin Ren1, Joanna E. Burdette2, Djeta D. Soejarto2,4, A. Douglas Kinghorn1
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Presenting Author: Ermias Mekuria Addo
Division of Presenting Author: Medicinal Chemistry & Pharmacognosy
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 13
METHOD DEVELOPMENT, VALIDATION AND QUANTIFICATION OF SELECTED METABOLITES FROM AGLAIA PERVERIDIS

Garima Agarwal¹, Esperanza J. Carcache-de-Blanco¹, and A. Douglas Kinghorn¹
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Presenting Author: Garima Agarwal
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Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 14

OCTN1-MEDIATED TRANSPORT OF CYTARABINE IN ACUTE MYELOID LEUKEMIA

Jason T. Anderson¹, Daelynn R. Buelow¹, Christina Drenberg¹, Shuiying Hu¹, Alice A. Gibson¹, Alex Sparreboom¹, and Sharyn D. Baker¹
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Presenting Author: Jason Anderson
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 15

STUDY OF A NOVEL PROTAC IN IBRUTINIB RESISTANT CHRONIC LYMPHOCYTIC LEUKEMIA

Haley A. Armstrong¹, Alexandru D. Buhimschi², Saul Jaime-Figueroa², Momar Toure², Amy Lehman³, Amy J. Johnson², Jennifer Woyach², Craig M. Crews²,⁵,⁶, John C. Byrd²,⁴
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Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 16
INVESTIGATION OF THE CONSTITUENTS OF GLYCOSMIS OVOIDEA IN NATURAL PRODUCTS
ANTICANCER DRUG DISCOVERY

Peter J. Blanco Carcache1, Choon Y. Tan1, Austin A. Czarnecki3, Tran Ngoc Ninh2, Nelson Freitas Fernandes1, Gerardo D. Anaya-Eugenio1, Yulin Ren1, Djaja D. Soejarto3,4, H. Liva Rakotondraibe1, Joanna E. Burdette3, A. Douglas Kinghorn1
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Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 17

REGULATION OF OATP1B1 THROUGH A PHOSPHO-TYROSINE SWITCH

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Presenting Author: Mingqing Chen
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 18

THE ROLE OF ANDROGEN RECEPTOR IN HEPATOCELLULAR CARCINOMA MIGRATION AND INVASION

Anees M. Dauki1, James S. Blachly2,3, Mohamed H. Abdel-Rahman4, Christopher C. Coss1
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Presenting Author: Anees Dauki
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 19
CONSTRUCTION OF AFM IMAGING OF HEXAMERIC pRNA OF PHI29 DNA PACKAGING MOTOR BY RNA NANOTECHNOLOGY

Dana Driver, Yi Shu, and Peixuan Guo
Center for RNA Nanobiotechnology and Nanomedicine; College of Pharmacy, Division of Pharmaceutics and Pharmaceutical Chemistry; College of Medicine, Dorothy M. Davis Heart and Lung Research Institute and James Comprehensive Cancer Center; The Ohio State University, Columbus, Ohio, USA

Presenting Author: Dana Driver
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 20

SIZE, SHAPE AND SEQUENCE-DEPENDENT IMMUNOGENICITY OF RNA NANOPARTICLES

Sijin Guo¹, Hui Li¹, Mengshi Ma², Jian Fu², Yizhou Dong”, Peixuan Guo”¹
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Presenting Author: Sijin Guo
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 21

RESISTANCE TO TOPOISOMERASE IIα POISONS AS A RESULT OF ALTERNATIVE RNA PROCESSING

Victor A Hernandez, Corey Kientz, Yang Yu, Evan Kania, Ragu Kanagasabai, Soumendrakrishna Karmahapatra, Terry S. Elton, and Jack C. Yalowich
College of Pharmacy, The Ohio State University

Presenting Author: Victor Hernandez
Division of Presenting Author: Pharmacology
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 22
DOXORUBICIN UPTAKE IN CARDIOMYOCYTES IS DEPENDENT ON OCT3

Kevin M. Huang\textsuperscript{1}, Tarek Magdy\textsuperscript{2}, Ingrid Bonilla\textsuperscript{3}, Shuiying Hu\textsuperscript{1}, Alice A. Gibson\textsuperscript{1}, Cynthia Carnes\textsuperscript{3}, Alex Sparreboom\textsuperscript{1}, and Paul W. Burridge\textsuperscript{2}

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Presenting Author: Kevin Huang
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Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 23

DEVELOPMENT OF THE PHYLLANTHUSMIN CLASS OF NATURAL PRODUCTS: SAR, MECHANISTIC PROBES, AND DRUG PROPERTY OPTIMIZATION

Andrew C. Huntsman,\textsuperscript{1} Alexandria Young,\textsuperscript{2} John L. Woodard,\textsuperscript{1} Hee-Byung Chai,\textsuperscript{1} Yulin Ren,\textsuperscript{1} Mitch A. Phelps,\textsuperscript{3} A. Douglas Kinghorn,\textsuperscript{1} Joanna E. Burdette,\textsuperscript{2} James Fuchs\textsuperscript{1}

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Presenting Author: Andrew Huntsman
Division of Presenting Author: Medicinal Chemistry & Pharmacognosy
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 24
MODIFIED MODEL OF MELPHALAN-INDUCED NEUTROPENIA IN MULTIPLE MYELOMA PATIENTS UNDERGOING AUTOLOGOUS STEM CELL TRANSPLANT

Donald J. Irby¹, Yu Kyoung Cho¹, Junan Li¹, Douglas W. Sborov², Diane R. Mould³, Mohamed Badawi¹, Anees Dauki¹, Misty Lamprecht⁴, Erinn M. Hade⁵, Craig C. Hofmeister², Ming Poi⁴,⁶, Mitch A. Phelps¹,⁴
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Presenting Author: Donald Irby
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 25

PRECLINICAL ACTIVITY AND PHARMACOKINETICS OF PACRITINIB, AN ORAL JAK2/FLT3 INHIBITOR, IN FLT3-ITD+ AML

Jae Yoon Jeon¹, Daelynn R Buelow¹, Shamala Kolli³, Mitch Phelps¹,³, Bhavana Bhatnagar²,³, Sharyn D Baker¹,²,³
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Presenting Author: Jae Yoon Jeon
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 26

FINGERPRINTING OF PEPTIDES BIOMARKERS FOR CANCER DIAGNOSIS AT SINGLE MOLECULE LEVEL USING BACTERIOPHAGE PHI29 CHANNEL

Zhouxiang Ji, Peixuan Guo*
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Presenting Author: Zhouxiang (Jason) Ji
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 27
REENGINEERED PHI29 CHANNEL OF DS DNA PACKAGING MOTOR FOR THE DETECTION OF BREAST CANCER BIOMARKER

Xinqi Kang, Zhouxiang Ji, Peixuan Guo*
College of Pharmacy, Division of Pharmaceutics and Pharmaceutical Chemistry; College of Medicine, Department of Physiology & Cell Biology; Dorothy M. Davis Heart and Lung Research Institute; NCI Comprehensive Cancer Center; and Center for RNA Nanobiotechnology and Nanomedicine, The Ohio State University, Columbus, Ohio, USA.

Presenting Author: Xinqi Kang
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 28

DONOR SNPS IN IL1RL1, STRONGLY CORRELATED WITH SERUM SST2 CONCENTRATION, SIGNIFICANTLY ASSOCIATE WITH RISK OF ACUTE GVHD: IMPLICATIONS FOR DONOR SELECTION

Ezgi Karaesmen¹, Abbas Rizvi¹, Michael Sovic¹, Junke Wang¹, Sandeep Kumar Singh¹, Sachidanand Singh¹, Tao Wang², Michael Haagenson³, Alex Dile⁴, Leah Preus¹, Stephen R. Spellman³, Stephanie J. Lee⁵, Theresa E. Hahn⁶, Lara Sucheston-Campbell¹ and Sophie Paczesny⁷
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Presenting Author: Ezgi Karaesmen
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 29

DEVELOPMENT OF AN RNA 3WJ DELIVERY PLATFORM WITH INCREASED THERMODYNAMIC STABILITY

Mario C Vieweger, Xin Li, Peixuan Guo
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Presenting Author: Xin Li
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 30
NANOPARTICLE ORIENTATION TO CONTROL RNA LOADING AND LIGAND DISPLAY ON EXOSOME FOR CANCER THERAPY

Zhefeng Li¹⁴, Fengmei Pi¹⁴, Daniel W. Binzel¹⁴, Tae Jin Lee³⁵, Meiyan Sun⁶, Piotr Rychahou⁷, Hui Li¹⁴, Farzin Haque¹⁴, Shaoying Wang¹⁴, Carlo M. Croce¹⁵, Bin Guo⁶, B. Mark Evers⁷, and Peixuan Guo¹⁵*
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Presenting Author: Zhefeng Li
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 31

UTILIZING ARROWTAIL RNA NANOPARTICLE DECORATED GINGER DERIVED EXOSOME-LIKE NANOVESICLES AS SIRNA DELIVERY PLATFORM FOR CANCER SUPPRESSION

Zhefeng Li¹, Hongran Yin¹, Hongzhi Wang¹, Chad Bennts², Dasheng Wang², Huang-ge Zhang³, Peixuan Guo¹*
¹Center for RNA Nanobiotechnology and Nanomedicine; College of Pharmacy, Division of Pharmaceutics and Pharmaceutical Chemistry; College of Medicine; Dorothy M. Davis Heart and Lung Research Institute; NCI Comprehensive Cancer Center; The Ohio State University, Columbus, OH, USA
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Presenting Author: Zhefeng Li
Division of Presenting Author: Pharmaceutics & Pharmaceutical Chemistry
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 32

SYNTHESIS AND EVALUATION OF NOVEL BACTERIAL TOPOISOMERASE INHIBITORS

Linsen Li¹, Zoe Li¹, Sheri Dellos-Nolan², Jack C. Yalowich¹, Daniel J. Wozniak²,³, and Mark J. Mitton-Fry¹
¹College of Pharmacy, ²Microbial Infection and Immunity, ³Department of Microbiology, The Ohio State University

Presenting Author: Linsen Li
Division of Presenting Author: Medicinal Chemistry & Pharmacognosy
Rank of Presenting Author: Graduate (MS, PhD) Student
Poster Number: 33
RETROSPECTIVE ANALYSIS OF PATIENT LEAN BODY MASS AND PHARMACOKINETICS FROM AR-42 PHASE I CLINICAL TRIALS IN RECURRENT HEMATOLOGIC MALIGNANCIES AND SOLID TUMORS.

Sophia G. Liva¹, Amir Mortazavi², Kristin M. Dittmar³, Alison R. Walker⁴, Craig C. Hofmeister⁵, Mitch A. Phelps¹, Christopher C. Coss¹
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Poster Number: 34

ABYSSOMICINS AND NEOABYSSOMICINS FROM AN ENDOPHYTIC STREPTOMYCES SP. OF BAZZANIA TRIOLOBATA

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PRECLINICAL EVALUATION OF MS-553 AS A PKCβ INHIBITOR FOR THE TREATMENT OF CHRONIC LYMPHOCYTIC LEUKEMIA

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DESIGN OF A NEW CLASS OF COMPOUNDS FOR THE RESURRECTION OF AGED ACETYLCHOLINESTERASE

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Poster Number: 37

GENETIC VARIANTS OF DNA REPAIR GENES ASSOCIATED WITH DIFFERENTIAL RESPONSE TO HIGH-DOSE MELPHALAN AUTOLOGOUS HEMATOPOIETIC STEM CELL TRANSPLANT IN MULTIPLE MYELOMA PATIENTS

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Poster Number: 38
GENETIC ASSOCIATIONS WITH DAY +100 TRANSPLANT RELATED MORTALITY AFTER HLA-MATCHED UNRELATED DONOR BLOOD AND MARROW TRANSPLANTATION


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REGULATION OF ENDOTHELIAL iNOS TURNOVER BY CYCLIN-DEPENDENT KINASE 7 (CDK7)

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Poster Number: 40
ANTIPROLIFERATIVE ASSAY GUIDED ISOLATION OF SECONDARY METABOLITES FROM ASSOCIATED MYCOBIONTS OF THE U.S. ENDEMIC LICHEN NIEBLA HOMALEA

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TOTAL SYNTHESIS AND ANALOGUE DEVELOPMENT OF THE CYCLIC IMINE NATURAL PRODUCT SCYTONEMIDE A

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IDENTIFICATION OF MATE1 AS A HIGH-AFFINITY CARRIER OF DOFETILIDE

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Poster Number: 43
PEA-15 INFLUENCES CIRCADIAN ACTIVITY RHYTHMS AND PHOTIC ENTRAINMENT

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Poster Number: 44

A SCAFFOLD HOPPING APPROACH FOR THE DEVELOPMENT OF A POTENT CLASS OF ALLOSTERIC HIV-1 INTEGRASE INHIBITORS

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Poster Number: 45

PHOTO-CONTROLLED RELEASE OF PACLITAXEL AND MODEL DRUGS FROM RNA PYRAMIDS

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Poster Number: 46
RNA-BASED MICELLES: A NOVEL PLATFORM FOR PACLITAXEL LOADING AND DELIVERY

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Poster Number: 47

A NOVEL FUNCTIONAL ROLE OF TASK-1 IN THE HEART

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Poster Number: 48

ELIMINATING INTRACELLULAR STAPHYLOCOCCUS AUREUS USING DRUG CONJUGATED NANOPARTICLES

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Poster Number: 49
LIPID POLYMER HYBRID NANOMATERIALS FOR MRNA DELIVERY

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Poster Number: 50

RESIDENTS & FELLOWS

EVALUATION OF PHARMACISTS’ AND PHARMACY INTERNS’ KNOWLEDGE AND COMFORT WITH DISPENSING NALOXONE WITHOUT A PRESCRIPTION IN A COMMUNITY PHARMACY

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Poster Number: 51

PERCEPTIONS OF WORKPLACE CONTROL FOR CONTROLLED SUBSTANCES IN A COMMUNITY TEACHING HOSPITAL: AN ASSESSMENT FOR QUALITY IMPROVEMENT

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IMPLEMENTATION OF QUALITY IMPROVEMENT STRATEGIES TO INCREASE OUTPATIENT INFUSION CLAIMS REIMBURSEMENT

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IMPLEMENTATION OF AN INPATIENT ONCOLOGY FORMULARY STEWARDSHIP PROGRAM AT A COMMUNITY, NOT-FOR-PROFIT HEALTH SYSTEM

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EVALUATION OF CURRENT OPIOID PRESCRIBING PRACTICES WITHIN A HEALTH-SYSTEM

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INFUSION SITE-OF-CARE ALGORITHM UTILIZATION REVIEW

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ASSESSING LATENT TUBERCULOSIS TREATMENT AND IDENTIFYING BARRIERS IN A MEDICALLY UNDERSERVED POPULATION

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Poster Number: 57

COMBINATION OF POLY (ADP-RIbose) POLYMERASE (PARP) INHIBITION TO MELPHALAN CONDITIONING THERAPY PRIOR TO AUTOLOGOUS STEM HEMATOPOIETIC STEM CELL TRANSPLANT IN MULTIPLE MYELOMA

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PATIENT-LEVEL MEDICATION REGIMEN COMPLEXITY IN AN ADOLESCENT AND ADULT POPULATION WITH AUTISM SPECTRUM DISORDERS

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Poster Number: 59

BODY WEIGHT BASED TACROLIMUS DOSING AND OTHER FACTORS INFLUENCING TACROLIMUS DOSE IN AUTOLOGOUS STEM HEMATOPOIETIC STEM CELL TRANSPLANT

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A RESEARCH PROPOSAL FOR AN INNOVATIVE DRUG DELIVERY SYSTEM TO PREVENT PROGRESSION OF PERIODONTAL DISEASE

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IDENTIFICATION OF NOVEL DRUG COMBINATIONS FOR THE TREATMENT OF PEDIATRIC ACUTE MEGAKARYOBLASTIC LEUKEMIA

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CHARACTERIZATION OF MICRORNAS AS POST-TRANSCRIPTIONAL MODULATORS OF TOPOISOMERASE IIα IN ETOPOSIDE RESISTANT K562 CELLS

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Poster Number: 63
STRUCTURAL REMODELING OF SODIUM-CALCIUM HANDLING NANODOMAINS IN CARDIOMYOPATHY

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