



2022 COLLEGE OF PHARMACY
RESEARCH DAY

March 28-30





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Adeboye Adejare, PhD

Professor of Pharmaceutical Sciences, University of the Sciences



Professor Adeboye Adejare received a Bachelor of Science in 1978 and Master's of Science in 1980 in Chemistry from The University of Iowa followed by a PhD in Medicinal Chemistry from The Ohio State University in 1985. He completed postdoctoral studies at the National Institutes of Health (NIH) prior to beginning career in academia. Professor Adejare is currently a professor of Pharmaceutical Sciences at the Philadelphia College of Pharmacy and a research professor of Chemistry at University of the Sciences in Philadelphia.

His research is geared towards discovery of novel compounds that can be used to probe mechanisms of, and for treatment of neurodegeneration as observed in Alzheimer's disease and related disorders, anti-cancer drug discovery, and pharmaceutical profiling. Professor Adejare's research was/is funded by several agencies including the NIH and several pharmaceutical companies. These efforts have resulted in over 50 publications, 5 patents and over 100 major meeting presentations. Several graduates from his group are

employed in academia and the pharmaceutical industry. Dr. Adejare served/serves on several national panels, including grant review panels for NIH, NSF, National Academy of Science, and Alzheimer's Association. He is the Editor-in-Chief of *Remington: The Science and Practice of Pharmacy*. He is also editor of *"Drug Discovery Approaches for the Treatment of Neurodegenerative Disorders: Alzheimer's Disease."*

Seminar Abstract:

"Rethinking CNS Drug Discovery"

There are many new developments in CNS drug discovery, from FDA approvals of Aducanumab for treatment of Alzheimer's disease (AD) to Ketamine for treatment-resistant depression. The demand for CNS drugs are increasing, for instance, there is high demand for non-opioid drugs for the treatment of pain and those for treating addiction. In the meantime, many pharmaceutical companies are pulling out of CNS drug discovery, in part due to the high failure rates in clinical trials. Using developments in the NMDA receptors area for treatment of AD as well as other areas for illustrations, the talk will focus on what might be new strategies for CNS drug discovery, from polypharmacology to pharmacognosy.

AGENDA

March 28:

“Even” Poster Number Virtual Presentations: 3-5 p.m.

Virtual presentations will be presented on Zoom via the “share screen” functionality. Each presenter will have an individual Zoom link. To view the individual Zoom links, abstracts, and video presentations, please visit [here](#). Click on the various categories on the left-hand side of the website.

March 30:

“Odd” Poster Number Virtual Presentations: 3-5 p.m.

Virtual presentations will be presented on Zoom via the “share screen” functionality. Each presenter will have an individual Zoom link. To view the individual Zoom links, abstracts, and video presentations, please visit [here](#). Click on the various categories on the left-hand side of the website.

March 31:

Dean’s Innovative Research Award presentations: 11:15-11:45 a.m. (Hybrid on Zoom and BRT 115)

Macarius Donneyong, PhD, MPH

"High Order Drug-Drug Interactions in the Emergency Department Among Older Patient Populations"

Christopher Coss, PhD and Tom Li, PhD

"Effective Targeting of the Androgen Receptor in Hepatocellular Carcinoma (HCC)"

Keynote Speaker: 11:45 a.m. (Hybrid on Zoom and BRT 115)

Adeboye Adejare, PhD, professor of Pharmaceutical Sciences, University of the Sciences

"Rethinking CNS Drug Discovery"

Awards: 12:45 p.m.

(Hybrid on Zoom and BRT 115)

Register here to receive Zoom meeting information for Research Day events on March 31, 2022.



RATIONAL DESIGN FOR CONTROLLED RELEASE OF DICER-SUBSTRATE SIRNA HARBORED IN PHI29 PRNA-BASED NANOPARTICLES

Daniel W. Binzel¹, Songchuan Guo¹, Hongran Yin¹, Tae Jin Lee², Shujun Liu³, Peixuan Guo¹

¹Center for RNA Nanobiotechnology and Nanomedicine; Division of Pharmaceutics and Pharmacology, College of Pharmacy; Dorothy M. Davis Heart and Lung Research Institute; James Comprehensive Cancer Center; College of Medicine; The Ohio State University, Columbus, Ohio 43210, USA.

²Department of Neurosurgery, McGovern Medical School, The University of Texas Health Science Center at Houston, Houston, Texas 77030, USA

³The Hormel Institute, Masonic Cancer Center, University of Minnesota, Austin, Minnesota 55912, USA

Presenting Author: Daniel Binzel, PhD

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Faculty

Poster Number: 2

March 28 Zoom Link: <https://osu.zoom.us/j/98314974197?pwd=VGs0ZytGZVZJbU9tMkhIQ0VjRUF6dz09>

Meeting ID: 983 1497 4197

Access Code: 788859

PATIENT TRAVEL TO RECEIVE COVID-19 VACCINES: A GEOSPACIAL ANALYSIS OF RURAL SOUTHEAST OHIO

Rebecca M Lahrman^{1,2}, E Michael Murphy¹, Andrea Kowalski²

¹The Ohio State University College of Pharmacy.

²Shrivers Pharmacy.

Presenting Author: Rebecca Lahrman, PharmD, MS, BCACP

Division of Presenting Author: Pharmacy Practice & Science

Rank of Presenting Author: Faculty

Poster Number: 4

March 28 Zoom Link: <https://osu.zoom.us/j/93731972417?pwd=c1FtNk5MdktzVEtjM1hIYTI2MHFtdz09>

Meeting ID: 937 3197 2417

Access Code: 341429

GRADUATE STUDENTS

COMBINATORIAL APPROACH TO THE OPTIMIZATION OF DEGRADER PHYSICOCHEMICAL PROPERTIES FOR THE ACHIEVEMENT OF IN VIVO EFFICACY IN ACUTE MYELOID LEUKEMIA

Oluwatosin R. Ayinde¹, Chia Sharpe², Emily Stahl², Robert J. Tokarski¹, Andrew Huntsman¹, Natarajan Muthusamy², John C. Byrd², James R. Fuchs¹

¹Division of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, The Ohio State University, Columbus, OH 43212.

²Leukemia and Drug Development Laboratory, Division of Hematology and Oncology, University of Cincinnati, Cincinnati, OH 45267.

Presenting Author: Oluwatosin Ayinde, MS

Division of Presenting Author: Medicinal Chemistry & Pharmacognosy

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 1

March 30 Zoom Link: <https://osu.zoom.us/j/93296411500?pwd=amVLL292VmtnRjBQTIBLTGYzZ3o4Zz09>

Meeting ID: 932 9641 1500

Access Code: 712499

DEVELOPING A ONE-DIMENSIONAL TOCSY-BASED DEREPLICATION METHOD FOR LICHEN NATURAL PRODUCT PRIORITIZATION

Cassandra Diaz-Allen¹, Richard Spjut², A. Douglas Kinghorn¹, and Liva Rakotonandraibe¹

¹The Ohio State University, College of Pharmacy, OH, 43201, USA.

²World Botanical Associates, Bakersfield, CA, 93380, USA.

Presenting Author: Cassandra Diaz-Allen, MS

Division of Presenting Author: Medicinal Chemistry & Pharmacognosy

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 3

March 30 Zoom Link: <https://osu.zoom.us/j/92883108769?pwd=QXlyR0F4eEFvVkdIMDIjbkpUc0N4QT09>

Meeting ID: 928 8310 8769

Access Code: 083399

PHYSIOLOGICALLY-BASED MODELING OF IMMUNE CHECKPOINT INHIBITOR PHARMACOKINETICS AND TUMOR GROWTH INHIBITION

Kyeongmin Kim¹, Yizhen Guo¹, Bryan Remaily¹, Trang T. Vu¹, Justin Thomas¹, Zhiliang Xie¹, Latha Ganesan², Dwight Owen³, Samuel K. Kulp¹, Thomas A. Mace^{4,5}, Christopher C. Coss^{1,5}, and Mitch A. Phelps^{1,5}

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³Division of Medical Oncology, The Ohio State University James Comprehensive Cancer Center.

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⁵The Comprehensive Cancer Center, The Ohio State University.

Presenting Author: Kyeongmin Kim

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 5

March 30 Zoom Link: <https://osu.zoom.us/j/95860349077?pwd=Q01Wa2YwVHlRRzQ5TG1CY0pPU1dQdz09>

Meeting ID: 958 6034 9077

Access Code: 308791

SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIP OF ANTILEUKEMIC ARYLIMIDAMIDE-AZOLE HYBRID COMPOUNDS

Chris La Rosa¹, Pankaj Sharma¹, Ahmed Abdelhameed¹, Janet Antwi¹, Sara Elgamal², John Byrd², Karl Werbovetza¹

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Presenting Author: Chris La Rosa

Division of Presenting Author: Medicinal Chemistry & Pharmacognosy

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 7

March 30 Zoom Link: <https://osu.zoom.us/j/93690552254?pwd=QIBsZ29CS2hEelRER2pJMmJmR2xBUT09>

Meeting ID: 936 9055 2254

Access Code: 976888

UTILIZATION OF RNA NANOPARTICLES WITH RUBBERY AND AMOEBA PROPERTY TO DELIVER PACLITAXEL FOR CANCER TREATMENT

Xin Li^{1,2}, Hongzhi Wang^{1,2}, Wen-Jui Lee^{1,2}, Peixuan Guo^{1,2,3,4,5*}

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³James Comprehensive Cancer Center, The Ohio State University, Columbus, OH 43210, USA.

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Presenting Author: Xin Li

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 9

March 30 Zoom Link: <https://osu.zoom.us/j/98005229126?pwd=UUovdnRHeFYrRIZJWGIIUTM2b3NiQT09>

Meeting ID: 980 0522 9126

Access Code: 479798

PENICILLIUM AURANTIACOBRUNNEUM AS A PROMISING SOURCE OF CYTOTOXIC COMPOUNDS

Charmaine A. Lindsay¹, Choon Y. Tan¹, Gerardo D. Anaya-Eugenio¹, Chad A. Rappleye², Richard J. Spjut³, Esperanza Carcache de Blanco¹, Alan D. Kinghorn¹, Harinantenaina L. Rakotonandraibe^{*1}

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³World Botanical Associates, Bakersfield, CA 93380, United States.

Presenting Author: Charmaine Lindsay

Division of Presenting Author: Medicinal Chemistry & Pharmacognosy

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 11

March 30 Zoom Link: <https://us04web.zoom.us/j/72084148710?pwd=4Zo0OdaRM649reNXvftQ3HXvGpcOj.1>

Meeting ID: 720 8414 8710

Access Code: Charm

A SCAFFOLD HOPPING APPROACH TOWARD INDOLE-BASED ALLOSTERIC HIV-1 INTEGRASE INHIBITORS

Jeffrey R. Lockwood¹, Ross H. Bockbrader¹, Janet Antwi¹, Pratiq A. Patel², Ross Larue³, Mamuka Kvaratskeli⁴, James R. Fuchs¹

¹Division of Medicinal Chemistry & Pharmacognosy, College of Pharmacy.

²Department of Chemistry and Biochemistry.

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⁴Division of Infectious Diseases, School of Medicine, University of Colorado.

Presenting Author: Jeffrey Lockwood

Division of Presenting Author: Medicinal Chemistry & Pharmacognosy

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 13

March 30 Zoom Link: <https://osu.zoom.us/j/98977861591?pwd=QlhIN1hZU3lFbVZnOFdBQURyYmlwUT09>

Meeting ID: 989 7786 1591

Access Code: 124702

ROLE OF OATP1B IN HEPATIC UPTAKE AND ADVERSE EFFECTS OF AROMATASE INHIBITORS

Hanieh Taheri¹, Yang Li¹, Yan Jin¹, Alice A. Gibson¹, Maryam B. Lustberg², Alex Sparreboom¹, and Shuiying Hu^{1,3}

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²Yale Comprehensive Cancer Center, Yale School of Medicine, New Haven, CT.

³Division of Outcomes and Translational Sciences, The Ohio State University, Columbus, OH.

Presenting Author: Hanieh Taheri, MS

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 15

March 30 Zoom Link: <https://osu.zoom.us/j/94809934965?pwd=Z01EWjBVa3VOaC9OdDB4Yml6WTdRZz09>

Meeting ID: 948 0993 4965

Access Code: 737874

FAST AND EFFICIENT GENERATION OF PAIRED-gRNA LIBRARY FACILITATES COMBINATORIAL CRISPR SCREEN FOR DISCOVERING SYNTHETIC LETHAL GENE PAIRS

Shan Tang¹, Jinghui Liu³, Xue Wu², Shuai Shao¹, Xiaoqi Liu³, Lijun Cheng², Lang Li²

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³Department of Toxicology and Cancer Biology, University of Kentucky, Lexington, KY 40536.

Presenting Author: Shan Tang

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 17

March 30 Zoom Link: <https://osu.zoom.us/j/97706893541?pwd=ckdNR1NLdEVsVTI3SnA1R1R1RUxZz09>

Meeting ID: 977 0689 3541

Access Code: 118425

IMMUNE CHECKPOINT INHIBITOR SENSITIVITY IS LINKED TO NEONATAL FC RECEPTOR EXPRESSION

Justin Thomas¹, Trang T. Vu¹, Bryan Remaily¹, Kyeongmin Kim¹, Yizhen Guo¹, Zhiliang Xie¹, Samuel K. Kulp¹, Thomas A. Mace^{2,3}, Mitch A. Phelps^{1,3}, Christopher C. Coss^{1,3}

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³The Comprehensive Cancer Center, The Ohio State University, Columbus, Ohio, 43210, USA.

Presenting Author: Justin Thomas

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 19

March 30 Zoom Link: <https://osu.zoom.us/j/95124203833?pwd=c1VBQ3RHb200Z3B1ZIRDmVdpAzc5dz09>

Meeting ID: 951 2420 3833

Access Code: 796404

CONTRIBUTION OF MATE1 TO DOFETILIDE-INDUCED PROARRHYTHMIA

Muhammad Erfan Uddin¹, Yan Jin¹, Alice A. Gibson¹, Alec Millar², Przemyslaw Radwanski², Cynthia A. Carnes^{2,3}, Shuiying Hu², and Alex Sparreboom¹

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Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 21

March 30 Zoom Link: <https://osu.zoom.us/j/96507098861?pwd=UFRreVFcuJj5U3hCbXRQMnhrSEnuQT09>

Meeting ID: 965 0709 8861

Access Code: 185686

ELEVATED CATABOLIC PEMBROLIZUMAB CLEARANCE IN MURINE CANCER-CACHEXIA MODELS: POTENTIAL ROLE OF FCRN

Trang T. Vu¹, Justin Thomas¹, Bryan Remaily¹, Kyeongmin Kim¹, Yizhen Guo¹, Timothy H. Helms², Min Chen¹, Zhiliang Xie¹, Millennium Manna¹, Samuel K. Kulp¹, Latha Ganesan³, Dwight Owen⁴, Thomas A. Mace^{5,6}, Christopher C. Coss^{*,1,6}, Mitch A. Phelps^{*,1,6}

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⁴Division of Medical Oncology, The Ohio State University James Comprehensive Cancer Center, Columbus, OH, 43210, USA.

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Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 23

March 30 Zoom Link: <https://osu.zoom.us/j/93261782226?pwd=aHhINS93Q21MOW1FaitOa0ljdmlzZz09>

Meeting ID: 932 6178 2226

Access Code: 137854

STRATEGIES TO IDENTIFY POTENTIAL SPLICING/RNA CLEAVAGE FACTORS INVOLVED IN ACQUIRED CHEMORESISTANCE TO DNA TOPOISOMERASE II α -TARGETED AGENTS

Xinyi Wang, Victor Hernandez, Jessika Carvajal-Moreno, Jack C. Yalowich, and Terry S. Elton
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Presenting Author: Xinyi Wang

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 25

March 30 Zoom Link: <https://osu.zoom.us/j/91098145296?pwd=NXhIMDVDWkr3bHhtR3lvWjFiK0dLQT09>

Meeting ID: 910 9814 5296

Access Code: 684907

DISCOVERY OF ANTIMICROBIAL PHOSPHONOPEPTIDES FROM *Bacillus velezensis*

Jake Wilson^{1,2}, Toshiki Nakao¹, Happy Kwok¹, Jerry Cui¹, Yeying Zhang¹, Chase M. Kayrouz¹, Tiffany M. Pham¹, Hannah Roodhouse¹, and Kou-San Ju^{*,1,2,3,4}

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³Center for Applied Plant Sciences, The Ohio State University, Columbus, OH 43210.

⁴Infectious Diseases Institute, The Ohio State University, Columbus, OH 43210.

Presenting Author: Jake Wilson

Division of Presenting Author: Medicinal Chemistry & Pharmacognosy

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 27

March 30 Zoom Link: <https://osu.zoom.us/j/95322655974?pwd=U3JTMUxXSXVWVqcEdXc3BuSU1yT2ZGQT09>

Meeting ID: 953 2265 5974

Access Code: 869311

BIOMIMETIC NANOPARTICLES DELIVER MRNAS ENCODING COSTIMULATORY RECEPTORS AND ENHANCE T CELL MEDIATED CANCER IMMUNOTHERAPY

Wenqing Li^{1,*}, Xinfu Zhang^{1,*}, Chengxiang Zhang^{1,*}, Jingyue Yan^{1,*}, Xucheng Hou¹, Shi Du¹, Chunxi Zeng¹, Weiyu Zhao¹, Binbin Deng², David W. McComb², Yuebao Zhang¹, Diana D. Kang¹, Junan Li¹, William E. Carson III³, Yizhou Dong^{*1,4}

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³Department of Surgery, Division of Surgical Oncology, The Ohio State University Wexner Medical Center and The OSU James Comprehensive Cancer Center, Columbus, Ohio 43210, United States.

⁴Department of Biomedical Engineering; The Center for Clinical and Translational Science; The Comprehensive Cancer Center; Dorothy M. Davis Heart & Lung Research Institute; Department of Radiation Oncology, The Ohio State University, Columbus, Ohio 43210, United States.

*These authors contributed equally to this work: W.L., X.Z., C.Z., J.Y.

Presenting Author: Jingyue Yan

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 29

March 30 Zoom Link: <https://osu.zoom.us/j/97532915388?pwd=eGZnbUZPUHE0U1IDbHlzTGNuc1pKdz09>

Meeting ID: 975 3291 5388

Access Code: 544872

DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF TBL1 DEGRADERS

Rui Yang¹, Wing Chan², Betsy Pray², Pushpa Lata², Lapo Alinari², Pui-Kai Li¹, Xiaolin Cheng¹

¹Division of Medicinal Chemistry & Pharmacognosy, College of Pharmacy, The Ohio State University.

²Division of Hematology, Department of Internal Medicine, The Ohio State University.

Presenting Author: Rui Yang

Division of Presenting Author: Medicinal Chemistry & Pharmacognosy

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 31

March 30 Zoom Link: <https://osu.zoom.us/j/99289824189?pwd=ZWhwcnBZYtIXYzZ0dWJPSkN4RVRXdz09>

Meeting ID: 992 8982 4189

Access Code: 135365

MACROPGAHE-SPECIFIC NANOPARTICLE DELIVERY OF MICRORNAS TO MITIGATE VENTILATOR-INDUCED LUNG INJURY

Qinqin Fei^{1,2,3,4}, Christopher Bobba^{1,2,3}, Samir Ghadiali^{1,2,3} and Joshua Englert^{1,2,3}

¹Division of Pulmonary, Critical Care, and Sleep Medicine, Department of Internal Medicine, The Ohio State University Wexner Medical Center.

²Department of Biomedical Engineering, The Ohio State University.

³The Davis Heart and Lung Research Institute, The Ohio State University Wexner Medical Center.

⁴Division of Pharmaceutics and Pharmacology, College of Pharmacy, The Ohio State University.

Presenting Author: Qinqin Fei

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Graduate (MS, PhD) Student

Poster Number: 57

March 30 Zoom Link: <https://osu.zoom.us/j/94974127820?pwd=OTc3enZ4ODJIMcVlJRUJtbVNYUT09>

Meeting ID: 949 7412 7820

Access Code: 109297

EVALUATION OF DEXMEDETOMIDINE DOSING IN OBESE CRITICALLY ILL PATIENTS WITH NEUROLOGIC INJURY

Harrison He^{1,2}, Sara A. Atyia¹, Keaton S. Smetana¹, Casey C. May¹

¹The Ohio State University Wexner Medical Center.

²The Ohio State University College of Pharmacy.

Presenting Author: Harrison He

Division of Presenting Author: Pharmacy Practice & Science

Rank of Presenting Author: PharmD Student

Poster Number: 8

March 28 Zoom Link: <https://osu.zoom.us/j/95094404607?pwd=ZC9UZVN1TEVVUUg3OVRxMjg3QUtsQT09>

Meeting ID: 950 9440 4607

Access Code: 078520

THE INCIDENCE OF CYTOMEGALOVIRUS VIREMIA IN KIDNEY TRANSPLANT RECIPIENTS RECEIVING UNIVERSAL ANTIVIRAL PROPHYLAXIS VERSUS PREMTIVE THERAPY

Cayla Kass, PharmD Candidate 2023¹, Lauren Von Stein², PharmD, Kendra Schnelle², PharmD, BCPS, BCTXP

¹College of Pharmacy.

²OSUWMC, The Ohio State University.

Presenting Author: Cayla Kass

Division of Presenting Author: Pharmacy Practice & Science

Rank of Presenting Author: PharmD Student

Poster Number: 10

March 28 Zoom Link: <https://osu.zoom.us/j/93345082758?pwd=ZEh0aGtreTdkVEkzSktCekJzZndvZz09>

Meeting ID: 933 4508 2758

Access Code: 04555

ROLE OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS/METHICILLIN-SENSITIVE STAPHYLOCOCCUS AUREUS POLYMERASE CHAIN REACTION NASAL SWAB IN ANTIBIOTIC DE-ESCALATION IN CRITICALLY ILL IMMUNOCOMPROMISED AND IMMUNOCOMPETENT PATIENTS WITH PNEUMONIA

Carissa M. Tedeschi¹, Whitney L. Jones¹, Claire V. Murphy²

¹The Ohio State University College of Pharmacy.

²The Ohio State University Wexner Medical Center.

Presenting Authors: Carissa Tedeschi and Whitney Jones

Division of Presenting Author: Outcomes & Translational Sciences

Rank of Presenting Author: PharmD Student

Poster Number: 14

March 28 Zoom Link: <https://osu.zoom.us/j/99618022318?pwd=cUtwQmRjWFhZeUhPbkIRTTfzUE15dz09>

Meeting ID: 996 1802 2318

Access Code: 839226

POST-DOCTORAL RESEARCHERS

KEY FINDINGS FROM THE COLLEGE PRESCRIPTION DRUG STUDY

Emily Baker, Tessa Miracle, Nicole Kwiek
College of Pharmacy

Presenting Authors: Emily Baker, PhD

Division of Presenting Author: Pharmacy Education & Innovation

Rank of Presenting Author: Post-Doctoral Researcher

Poster Number: 28

March 28 Zoom Link: <https://osu.zoom.us/j/97658689686?pwd=ZmY0UUIPZkZ0Skk1aTFLMS96TTIHdz09>

Meeting ID: 976 5868 9686

Access Code: 330878

FLUORESCENT DETECTION OF PRODUCTION OF PEROXYNITRITE BY PHAGOCYtic CELLS IN CANCER

Erick J. Carlson¹, Himanshu Savardekar², Steven Sun², Gabriella Lapurga², Xiaojun Hu¹, William E. Carson², and Blake R. Peterson¹

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²Division of Surgical Oncology, Department of Surgery, The Ohio State University, Columbus, OH 43210.

Presenting Authors: Erick Carlson, PhD

Division of Presenting Author: Medicinal Chemistry & Pharmacognosy

Rank of Presenting Author: Post-Doctoral Researcher

Poster Number: 33

March 30 Zoom Link: <https://osu.zoom.us/j/91881870295?pwd=MUtsd2pZQ2krbThkRzVDN2FkOVVsdz09>

Meeting ID: 918 8187 0295

Access Code: 641140

EXTRACELLULAR VESICLES (EVS) ARE SHORT-RANGE SHUTTLES FOR INTERCELLULAR COMMUNICATION

Federico Colombo, Erienne G Norton, Emanuele Cocucci
College of Pharmacy, Division of Pharmaceutics and Pharmacology, The Ohio State University.
Comprehensive Cancer Center, The Ohio State University.

Presenting Authors: Federico Colombo, PhD

Division of Presenting Author: Pharmaceutics & Pharmacology

Rank of Presenting Author: Post-Doctoral Researcher

Poster Number: 35

March 30 Zoom Link: <https://osu.zoom.us/j/94344456955?pwd=QWMyOHl5RXFDTG45b1RneThoZy9RUT09>

Meeting ID: 943 4445 6955

Access Code: 706400

STOICHIOMETRY OF MULTI-SPECIFIC IMMUNE CHECKPOINT RNA ANTIBODIES FOR T-CELL ACTIVATION AND TUMOR INHIBITION USING ULTRA-STABLE RNA NANOPARTICLES

Wen-Jui Lee¹, Long Zhang, Jianhua Yu, Peixuan Guo* and Dan Shu*

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DISCOVERY AND VALIDATION OF OATP1B BIOMARKERS FOR PREDICTING TRANSPORTER MEDIATED DRUG-DRUG INTERACTIONS

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PACIFIC BLUE DERIVATIVES OF PACLITAXEL AS FLUORESCENT PROBES OF OATP1B TRANSPORTERS

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IN VITRO CYP450 ACTIVATION/INHIBITION BY ORAGNOPHOSPHOROUS PESTICIDES AND NERVE AGENT SURROGATES USING FLOUROMETRIC ASSAYS

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RAPID AND SENSITIVE ANALYSIS OF METAIODOBENZYLGUANIDINE AS AN EXOGENOUS OCT3 BIOMARKER IN MOUSE PLASMA

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BMX KINASE MEDIATES GILTERITINIB RESISTANCE IN FLT3-MUTATED AML THROUGH MICROENVIRONMENTAL FACTORS

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EFFECTS OF HSA-MIR-9-3P AND HSA-MIR-9-5P ON TOPOISOMERASE IIB EXPRESSION IN HUMAN LEUKEMIA K562 CELLS WITH ACQUIRED RESISTANCE TO ETOPOSIDE

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VALIDATION AND APPLICATION OF AN LC-MS/MS METHOD FOR THE QUANTIFICATION OF CHENODEOXYCHOLATE 24-GLUCURONIDE IN PLASMA OF MICE WITH VARYING DEGREES OF OATP1B DEFICIENCY

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INTERACTION OF (+)-STREBLOSIDE AND ITS DERIVATIVES WITH Na^+/K^+ -ATPASE AND OTHER TARGETS

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HIGH THROUGHPUT PLATE-BASED SCREENING FOR BIOMEDICAL RESEARCH AND EARLY DRUG DISCOVERY

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MEASURING SIGNIFICANT LEARNING EXPERIENCES IN AN UNDERGRADUATE GENERAL EDUCATION COURSE ON AMERICA'S DRUG TAKING CULTURE

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RETENTION TIME AND IMPACT ON EMERGENCY DEPARTMENT UTILIZATION AMONG ADOLESCENT AND YOUNG ADULT PATIENTS IN AN OUTPATIENT MEDICATION ASSISTED TREATMENT PROGRAM FOR OPIOID USE DISORDER

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UNDERGRADUATE STUDENTS

EVALUATION OF COUMARIN DERIVATIVES IN MONITORING CYP2A6 ACTIVITY IN CANCER CELLS

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Access Code: 745134

ANALYSIS OF CHEMICAL COMPONENTS OF THE DIFFERENT PARTS OF ARONIA BERRY GROWN IN OHIO

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INITIAL CONSTRUCTION AND EVALUATION OF FLAG-TAGGED DNA TOPOISOMERASE II α /170 (TOP2 α /170) ISOFORMS: POTENTIAL ROLE OF CARBOXYL TERMINAL AMINO ACIDS IN TOP2 α /90 IN ACQUIRED DRUG RESISTANCE

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