

Midwest Clinical and Translational Research Meeting

March 3-4, 2022 • Chicago, IL
Fairmont Chicago Millennium Park



Poster Session B Friday, March 4, 2022 Imperial Ballroom

Poster

Number Title/First Author

Hematology and Oncology

- 1B THE HEXOKINASE HKDC1 INTERACTION WITH THE MITOCHONDRIA IS ESSENTIAL FOR LIVER CANCER PROGRESSION
Md. Wasim Khan, PhD, University of Illinois at Chicago
- 2B CENTRAL NERVOUS SYSTEM INTRAVASCULAR LARGE B CELL LYMPHOMA: IS THERE A BEST APPROACH?
Sayan Mullick Chowdhury, DO, PhD, The Ohio State University
- 3B HUMORAL IMMUNE RESPONSE FOLLOWING COVID-19 VACCINATION IN PATIENTS WITH CHRONIC LYMPHOCYTIC LEUKEMIA AND OTHER INDOLENT LYMPHOMAS: A LARGE, SINGLE CENTER OBSERVATIONAL STUDY
Peter G Doukas, MD, McGaw Medical Center of Northwestern University
- 4B PRE-CLINICAL EVALUATION OF CINobufotalin AS A POTENTIAL ANTI-OVARIAN CANCER AGENT
Syeda H Afroze, PhD, Orion Institute for Translational Medicine
- 5B AQUAPORIN-3: GUARDIAN OF REACTIVE OXYGEN SPECIES DURING KAPOSI'S SARCOMA-ASSOCIATED HERPES VIRUS (KSHV) INFECTION BY REGULATING HOST CELL ANTIOXIDANT DEFENSE
Melanie M Klemond, BS, Chicago Medical School at Rosalind Franklin University
- 6B RECTAL ADENOCARCINOMA METASTASIS TO HARD PALATE
Sandhya Kolagatla, MD, Appalachian Regional Healthcare
- 7B ROLE OF AQUAPORIN-3 IN REGULATING REACTIVE OXYGEN SPECIES IN KAPOSI'S SARCOMA-ASSOCIATED HERPES VIRUS (KSHV) INFECTED PRIMARY EFFUSION LYMPHOMA (PEL) CELLS
Morgan Mroz, BS, Rosalind Franklin University
- 8B TELEHEALTH COULD INCREASE LUNG CANCER SCREENING OF ELIGIBLE VETERANS IN RURAL UPPER MIDWEST: A PRELIMINARY OBSERVATION
Sayyed Hamidi, MD, University of Illinois at Chicago
- 9B LUNG RHABDOMYOSARCOMA
Huthaifah Aburumman, MD, East Tennessee State University/Quillen College

- 10B SARCOMATOID VARIANT OF SALIVARY DUCT CARCINOMA MANIFESTING AS FACIAL NERVE PALSY
Saman Karimi, MD, MS, University of Illinois at Chicago
- 11B MYELOPROLIFERATIVE HYPEREOSINOPHILIC SYNDROME WITH CONCOMITANT ISCHEMIC EVENTS
Roxanne T Aleman, MD, Advocate Christ Medical Center
- 12B UNUSUAL PRESENTATION OF AMYLOIDOSIS AS A PELVIC PSEUDO-TUMOR
Olaniyi A Fadeyi, Womack Army Medical Center
- 13B A RARE CASE OF WARFARIN-INDUCED NON-UREMIC CALCIPHYLAXIS
Amanda Cecchini, DO, East Tennessee State University
- 14B POST-CARDIAC ARREST COMPLETE BLOOD COUNT AND PERIPHERAL BLOOD SMEAR MIMICKING ACUTE LEUKEMIA
Ziad Abuhelwa, MD, University of Toledo
- 15B MANTLE CELL LYMPHOMA, AN UNCOMMON PRESENTATION OF NON-HODGKIN LYMPHOMA
Olaniyi A Fadeyi, WAMC Internal Medicine Program
- 16B ROLE OF PHOSPHOLIPASE D IN MODULATING MAMMALIAN TARGET OF RAPAMYCIN (MTOR) SIGNALING IN PRIMARY EFFUSION LYMPHOMA (PEL) CELLS.
Khalil-Uz-Zaman S Qadri, MD Candidate, MSc. BSc., Rosalind Franklin University of Medicine and Science

Infectious Disease

- 17B AGE-DEPENDENT INNATE HOST RESPONSES TO INFLUENZA VIRUS IN THE BRAIN
Jordan P Metcalf, MD, University of Oklahoma Health Sciences Center
- 18B DIFFERENTIAL CYTOKINE EXPRESSION RESPONSES TO CORONAVIRUS INFECTION IN ASTHMATIC CELLS
Sara Kazmi, BA, University of Toledo
- 19B ENTEROCOCCUS FAECALIS EMPYEMA AS A COMPLICATION OF CHOLECYSTITIS
Mohammad Al Bataineh, MD, University of Missouri-Columbia
- 20B BLASTOMYCES DERMATITIDIS SEPTIC ARTHRITIS IN A RENAL TRANSPLANT PATIENT
Stacy Ploom, BS, University of North Dakota
- 21B ROLE OF PHOSPHOLIPASE D2 SIGNALING IN KAPOSI'S SARCOMA-ASSOCIATED HERPESVIRUS (KSHV)-ASSOCIATED PRIMARY EFFUSION LYMPHOMA
Alexander C Van den Avont, Chicago Medical School at Rosalind Franklin University

Neurology / Neurodegeneration

- 22B BIOPHYSICAL ANALYSIS OF TREM2 INTERACTIONS REVEALS A COMMON BINDING SITE FOR ALZHEIMER'S DISEASE LIGANDS APOE AND AMYLOID BETA
Jessica A Greven, Washington University
- 23B ACARBOSE REDUCES TAU PHOSPHORYLATION AND MTOR1 SIGNALING IN THE BRAIN OF THE 3XTG MOUSE MODEL OF ALZHEIMERS DISEASE
Michelle Sonsalla, MS, University of Wisconsin-Madison

- 24B SOCIAL DEFEAT ALTERS THE FIRING RATE DISTRIBUTION OF MEDIAL AMYGDALA NEURONS
Alexandra C Ritger, BS, Rosalind Franklin University of Medicine & Science
- 25B MULTI STAGE COMBINED ANTERIOR-POSTERIOR DECOMPRESSION AND FUSION AS CORRECTIVE INTERVENTION IN OCTOGENARIAN POPULATION WITH PRIOR SPINAL FUSION ATTEMPT AND PSEUDARTHROSIS.
Matt Porter, BS, Washington State University Elson S. Floyd College of Medicine
- 26B CYPROHEPTADINE IN THE TREATMENT OF SEROTONIN SYNDROME, A CASE REPORT
Omar Hussein, MD, University of Missouri - Columbia

Pulmonary / Critical Care

- 27B CARMIL1 EXPRESSION ALTERS PULMONARY ENDOTHELIAL BARRIER FUNCTION FOLLOWING INFLAMMATORY INJURY
Patrick Belvitch, MD, University of Illinois at Chicago
- 28B THE ROLE OF NADPH OXIDASE 4 IN HYPEROXIC ACUTE LUNG INJURY
Panfeng Fu, The Affiliated Hospital of School of Medicine Ningbo University
- 29B ABO, A SMALL MOLECULE INHIBITOR OF INTEGRIN BETA4, ATTENUATES ENDOTHELIAL CELL PERMEABILITY AND MURINE ACUTE LUNG INJURY INDUCED BY MRSA.
Weiguo Chen, University of Illinois at Chicago
- 30B CYTOCHROME P450 1A1 IS A NOVEL MEDIATOR OF MRSA-INDUCED LUNG ENDOTHELIAL DYSFUNCTION
Eleftheria Letsiou, PhD, University of Illinois at Chicago
- 31B AEROSOLIZED MICROCYSTIN-LR EXACERBATES INFLAMMATORY MEDIATORS OF ASTHMA IN ASTHMATIC HUMAN AIRWAY EPITHELIUM
Steuart Besly, BS, University of Toledo
- 32B HYPOXIA DOWNREGULATES HEMIN INDUCED NECROTIC PULMONARY ARTERY ENDOTHELIAL CELL DEATH
Janae Gonzales, MD, University of Illinois at Chicago
- 33B CHARACTERIZATION OF CORTACTIN-MLCK PROTEIN-PROTEIN INTERACTION BY IN VITRO AND IN SILICO ANALYSES.
Mounica Bandela, University of Illinois at Chicago
- 34B EXAMINING THE ROLE OF SOCIAL DETERMINANTS OF HEALTH ON QUALITY OF LIFE IN URBAN PULMONARY HYPERTENSION PATIENTS
Cat Humpal, University of Illinois at Chicago
- 35B IMPACT OF TIME FROM ADMISSION TO NOREPINEPHRINE USE ON MORTALITY IN SEPSIS 3 PATIENTS IN THE ICU: A RETROSPECTIVE STUDY USING THE MIMIC-4 DATABASE
Tarek R Firzli, BS, University of Nevada Reno School of Medicine
- 36B OSELTAMIVIR AND REMDESIVIR AS A TARGETED COMBINATION THERAPY FOR A YOUNG AND PREVIOUSLY HEALTHY ADULT WITH ACUTE RESPIRATORY DISTRESS SYNDROME SECONDARY TO FLURONA
Saif-Eddin Malhas, MD, University of Toledo
- 37B THE INFLUENCE OF HISTAMINE-2 RECEPTOR ANTAGONISTS ON SEPSIS MORTALITY
Tarek R Firzli, BS, University of Nevada Reno School of Medicine

- 38B ACUTE THROMBOSIS OF A LONGSTANDING UNRETRIEVED INFERIOR VENA CAVA FILTER PRESENTING AS A CASE OF ORTHOSTATIC SYNCOPE.
Saif-Eddin Malhas, MD, University of Toledo
- 39B 83-YEAR-OLD FEMALE WITH FATAL PULMONARY-RENAL SYNDROME DUE TO MICROSCOPIC POLYANGIITIS
Amana Hasnain, MD, St. Mary Mercy Hospital, Livonia
- 40B NEW DOMICILIARY SUPPLEMENTAL OXYGEN THERAPY AFTER COVID-19 RELATED HOSPITALIZATION IN U.S. MILITARY VETERANS IN METROPOLITAN CHICAGO
Malvika Kaul, MD, University of Illinois at Chicago
- 41B E-CIGARETTE CONTENT ALTERS MITOCHONDRIAL AND BIOPHYSICAL PROPERTIES OF LUNG ENDOTHELIUM
Mounica Bandela, University of Illinois at Chicago

Rheumatology / Immunology / Allergy

- 42B EXTRACELLULAR MATRIX PROTEINS CO-MODIFIED WITH MALONDIALDEHYDE-ACETALDEHYDE AND CITRULINE ARE DETECTED IN THE LUNGS OF MICE WITH ARTHRITIS ASSOCIATED LUNG DISEASE
Brianna P Shaw, MS, University of Nebraska Medical Center
- 43B EFFECTS OF PROTEIN MODIFICATION WITH MALONDIALDEHYDE-ACETALDEHYDE AND/OR CITRULLINE ON HUMAN MACROPHAGES IN A MODEL OF RA SYNOVIAL PATHOGENESIS
Madison Bierman, University of Nebraska College of Medicine
- 44B A RARE CASE OF SUPERIOR MESENTERIC ARTERY VASCULITIS PRESENTING WITH ABDOMINAL PAIN
Mahmoud M Mansour, MD, University of Missouri Columbia
- 45B RECURRENT BILATERAL PRE-PATELLAR BURSTITIS: A RARE PRESENTATION OF CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION DISEASE (CPPD)
Yeohan Song, MD, The Ohio State University
- 46B ON PINS AND NEEDLES: A CASE OF SMALL-FIBER PERIPHERAL NEUROPATHY DUE TO NEUROSARCOIDOSIS
Kirsten M Lipps, MD, University of Wisconsin Hospitals and Clinics
- 47B REVIVIFY GEL STIMULATES THE IMMUNE SYSTEM VIA T-CELL ACTIVATION EVALUATED IN VITRO JURKAT CELLS: POTENTIAL ROLE IN THE PREVENTION/TREATMENT OF COVID-19 INFECTION
Ahmed F Pantho, BS, Orion Institute for Translational Medicine
- 48B FIBRINOGEN DUALY MODIFIED WITH MALONDIALDEHYDE-ACETALDEHYDE (MAA) AND CITRULLINE (CIT) MODIFIED UPREGULATES PEPTIDYL ARGININE DEIMINASE IN HUMAN MACROPHAGES
Nozima I Aripova, University of Nebraska Medical Center
- 49B CYANOTOXIN DEGRADING LAKE BACTERIA SIGNIFICANTLY ALLEVIATE MICROCYSTIN-LR INDUCED HEPATOTOXICITY IN BOTH IN VIVO AND IN VITRO MODELS
Apurva C Lad, PhD, University of Toledo
- 50B EOSINOPHILIC FASCIITIS AFTER A CAMPING TRIP RESPOND WELL TO MYCOPHENOLATE THERAPY
Abdulaziz Aldhafeeri, University of Toledo
- 51B HISTOPLASMOSIS IN A PATIENT WITH SARCOIDOSIS
Omar Hussein, MD, University of Missouri - Columbia

Dermatology

- 52B EVALUATING THE ROLE OF DIFFERENT TYPES OF LASER THERAPY IN BECKERS NEVUS TREATMENT
Prabhatchandra Dube, University of Toledo
- 53B PAINFUL SKIN LESIONS IN PATIENT WITH MYELODYSPLASTIC SYNDROME
Mohammad Al Bataineh, MD, University of Missouri Health Care
- 54B BCG VACCINATION IN EARLY CHILDHOOD AND RISK OF ALLERGIC DISEASE: SYSTEMATIC REVIEW AND META-ANALYSIS
Keyu Zhao, Te Affiliated Hospital of Medical School, Ningbo University

Implementation Science

- 55B LEVERAGING AGENT-BASED MODELING AND IMPLEMENTATION RESEARCH FOR IMPROVING HYPERTENSION SCREENING IN HIV CARE
Karla I Galaviz, Indiana University School of Public Health-Bloomington
- 56B HEALTHCARE SYSTEM STAKEHOLDERS' INSIGHTS INTO SUCCESSFULLY IMPLEMENTING AND MAINTAINING EVIDENCE-BASED PREVENTATIVE MEDICINE PROGRAMS
Adrienne L Johnson, PhD, University of Wisconsin, School of Medicine and Public Health, Center for Tobacco Research and Intervention
- 57B APPLYING THE EPIS FRAMEWORK TO ADAPT AND IMPLEMENT A MEDITATION APP TO REDUCE RISK BEHAVIORS WITH JUSTICE-INVOLVED YOUTH ON PROBATION
Ashley D Kendall, PhD, Center for Dissemination and Implementation Science, Department of Medicine, University of Illinois at Chicago
- 58B CHARTING FUTURE PRIORITIES FOR RESEARCH METHODS IN DISSEMINATION AND IMPLEMENTATION SCIENCE
Stephanie Mazzucca, PhD, Washington University in St. Louis
- 59B MAKING THE CASE FOR IMPLEMENTATION STRATEGY REPORTING IN EFFICACY AND EFFECTIVENESS STUDIES USING BRIEF SUICIDE PREVENTION STUDIES AS AN EXEMPLAR.
Brittany N Rudd, PhD, University of Illinois at Chicago
- 60B EVALUATING THE RELATIONSHIP BETWEEN SOCIAL VULNERABILITY AND MISSED APPOINTMENTS FOR OPHTHALMOLOGY OFFICE VISITS AT AN URBAN TERTIARY CARE REFERRAL CENTER
Angelica C. Scanzera, OD, MPH, University of Illinois at Chicago
- 61B THE CHANGING COVID-19 ENVIRONMENT: CAPTURING AND ADDRESSING THE UNINTENDED CONSEQUENCES OF COVID-19 IN ADULTS WITH ASTHMA
Sharmilee M Nyenhuis MD, University of Illinois Chicago
- 62B IMPLEMENTATION EVALUATION OF NORTHWESTERN MEDICINE'S HEALTH-RELATED SOCIAL NEEDS SCREENING AND REFERRAL PROGRAM
Sabira Taher, PhD, MPH, Northwestern University Feinberg School of Medicine