**Poster Session B**
**Friday, March 4, 2022**
**Imperial Ballroom**

**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  
*Sayed 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 EMPIEMA 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 HYPOXIC 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 SYNOCOPE.
   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 BURSITIS: 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 DUALLY 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 HEATH-RELATED SOCIAL NEEDS SCREENING AND REFERRAL PROGRAM
Sabira Taher, PhD, MPH, Northwestern University Feinberg School of Medicine