



OSF HEALTHCARE

# ANNUAL RESEARCH SYMPOSIUM

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*It Takes a Village: Striving for Excellence in  
Research and Human Subject Protection*

**Tuesday, May 14**

Jump Trading Simulation & Education Center  
1306 N. Berkeley Ave., Peoria, Illinois

**Keynote speaker - Robert A. Winn, MD**

*"The New Cancer Center at the 21st Century: Big Data & Community Focus"*

**Target Audience:** Physician and non-physician scientists/investigators,  
research support personnel, and those interested in research

**Purpose/Objectives:** Describe and explain processes and strategies for protecting human subjects through examples of responsible conduct of research. Explore use of big data for research within our research enterprise as well as strategies to implement our research findings. Provide professional development for members of research teams, including novice and seasoned investigators.



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**THE  
UNIVERSITY OF  
ILLINOIS  
COLLEGE  
OF MEDICINE**  
PEORIA CHICAGO ROCKFORD URBANA

# ANNUAL RESEARCH SYMPOSIUM AGENDA

## It Takes a Village: Striving for Excellence in Research and Human Subject Protection

7:20 a.m.	Registration begins
7:30 a.m.	Posters staffed for viewing, discussion, collaboration
9 a.m.	Welcome address Prayer Opening address
9:30 a.m.	Selected platform presentations
10:30 a.m.	<b><i>"The New Cancer Center at the 21st Century: Big Data &amp; Community Focus"</i></b> Keynote speaker – Robert A. Winn, MD, Associate Vice Chancellor for Community-Based Practice and Director of the University of Illinois Cancer Center at the University of Illinois Hospital and Health Sciences System (UI Health), Professor of Medicine at the University of Illinois Chicago (UIC)
11:30 a.m.	Awards ceremony
11:45 a.m.	Closing comments (morning session)
Noon	Lunch (provided if lunch was ordered at registration)
12:45 p.m.	<b><i>"A Case of Human Pythiosis in Central Illinois"</i></b> Douglas Kasper, MD, OSF Medical Group – Infectious Disease <i>*Dr. Kasper will be joined by other collaborators after case presentation, including an OSF patient, for panel discussion.</i>
2 p.m.	<b><i>"ResearchHERS"</i></b> Courtney Heiser, BS, Health Systems Manager (hospitals), American Cancer Society
2:30 p.m.	<b><i>"The All of Us Research Program: Current Status and Opportunities for Our Community"</i></b> Marcelo Bento Soares, Ph.D., Professor and Head, Cancer Biology and Pharmacology, Senior Associate Dean for Research, University of Illinois College of Medicine Peoria
3:00 p.m.	<b><i>"Development of a Community Garden and Awareness of Food Insecurity in the Peoria Tri-County Area"</i></b> Jo Garrison, MS, RN, NEA, Director Ambulatory Patient Care, OSF HealthCare Saint Francis Medical Center, Ambulatory Care Administration
3:30 p.m.	<b><i>"HIPAA in Research"</i></b> Heather Hermann, MS, CHRC, CIP, OSF HealthCare Research Compliance Officer
4 p.m.	Closing comments



## ABOUT THE KEYNOTE SPEAKER

### Robert A. Winn, MD

Associate Vice Chancellor for Community-Based Practice; Director, University of Illinois Cancer Center at the University of Illinois Hospital and Health Sciences System

Professor of Medicine, Division of Pulmonary, Sleep; Clinical Professor of Surgery at the University of Illinois Chicago

An accomplished physician-scientist and proponent of the “bench to community” model, Dr. Winn works tirelessly to bridge the gap between basic science and community-based health care. He has received national and international acclaim for his innovative efforts to empower underserved patient populations, improve health care delivery and develop meaningful research programs that can be integrated into the community.

He is a principal investigator on several community-based NIH- and NCI-funded projects, including the All of Us Precision Medicine Initiative. His basic science research, which has been supported by multiple NIH and VA Merit awards, focuses on the translational aspects of the role the Wnt pathway plays in lung cancer.

Dr. Winn received his medical degree from the University of Michigan Medical School in Ann Arbor. He completed his medical residency at Rush Presbyterian St. Luke’s Medical Center in Chicago and a Pulmonary/ Critical Care Medicine fellowship at the University of Colorado School of Medicine. He is a member of the National Cancer Policy Forum of the National Academies of Sciences, Engineering, and Medicine.

*This activity is jointly sponsored by University of Illinois College of Medicine Peoria and OSF HealthCare.*



*This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Illinois College of Medicine Peoria and OSF HealthCare. The University of Illinois College of Medicine Peoria is accredited by the ACCME to provide continuing medical education for physicians.*

*The University of Illinois College of Medicine Peoria designates this Live activity for a maximum of 5.25 AMA PRA Category 1 Credit(s)<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.*

# PLATFORM PRESENTATIONS

**9:30 a.m.:** Platform Presentation #1 (P04)

**Title:** The Association between Multiple Sclerosis and Residential Consumption of Polluting Energy for Space Heating

**Presented By:** Jinma Ren, PhD & Kurt A. Hanebrink

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**9:45 a.m.:** Platform Presentation #2

**Title:** Comparison of 3 Early-Onset Sepsis Evaluation and Treatment Approaches for Neonates born at  $\geq 35$  0/7 Weeks Gestation

**Presented By:** Michael Colin Mowrer, MD

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**10:00 a.m.:** Platform Presentation #3 (P08)

**Title:** Variability of Laparoscopic vs Open Case Volume in General Surgery Residency: An ACGME Study of National General Surgery Residency Case Logs from 1999-

**Presented By:** Jonathan Jou, BS

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**10:15 a.m.:** Platform Presentation #4 (P12)

**Title:** Current practice of tracheostomy after respiratory ECMO in children and review of outcome benefits of early tracheostomy

**Presented By:** Anil Kumar Swayampakula, MD, MPH

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# POSTER PRESENTATIONS - RESEARCH

**P01:** A Year In Review: Identifying Delays in Lung Cancer Diagnosis

**Authors:** *Preeti Patel*, Rachael Davis, Patrick Whitten

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**P02:** From Burnout to Resilience: A feasibility study to improve resident physician burnout and incorporate a curriculum to increase wellness by fostering compassion for oneself and others

**Authors:** *Mark Schlotterback MD*, Aviva Whelan MD, Jean Clore PhD, Bhavana Kandikattu MD, Francis McBee-Orzulak MD, Deborah Disney MEd, Crystal Coan MDA

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**P03:** Diagnostic Reboot: A Novel Tool to Stimulate Minds of Clinicians, A Pilot study

**Authors:** *Saqib Walayat*, Benjamin Chaucer, Benjamin Pflederer

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**P04:** The Association between Multiple Sclerosis and Residential Consumption of Polluting Energy for Space Heating

**Authors:** *Jinma Ren*, Kurt A. Hanebrink, Reuben M. Valenzuela, Carl V. Asche

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**P05:** Examining Adherence to Medications and Recommended Provider Follow-up After Discharge from the Emergency Department Using a Health Literacy Model

**Authors:** *Amy S. Grugan, PhD, RN*, Wendy Woith, PhD, RN, MyoungJin Kim, PhD, Stephen J. Stapleton, PhD, RN, Kim Schafer-Astroth, PhD, RN

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\* Presenting authors are identified in italics.

**P06:** Advance Care Planning Education in Skilled Nursing Facilities  
**Authors:** *Laura Youngman APRN, MSN*

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**P07:** Fall Prevention Bundles Help Decrease Falls in Hospitalized Patients  
**Authors:** Kim Schafer Astroth, RN, PhD; Karen DeLong, RN, MSN, CNL, CPN; *Sandra Scheidenhelm, RN, DNP, NEA-BC*; Cyndy Starkey, RNC; Kelly Zehr, RN, BSN, CWOCN-CFCN; Monika Busick, RN, BSN, CRN; Lana Bernico, PharmD, BCPS, BCCCP; Yaw Opoku-Agyemang, RN, BSN, CMSRN; David Wolfe, MS

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**P08:** Variability of Laparoscopic vs Open Case Volume in General Surgery Residency: An ACGME Study of National General Surgery Residency Case Logs from 1999-2018  
**Authors:** Samuel Pera, MD, Vadim Lyuksemburg, MD, Jonathan Nitz, MD, *Jonathan Jou, BS*, Noah Huh, BS, Min-Chul Kim, PhD, Eleni Stroumpi, MD, Richard Anderson, MD, Steven Tsoraides, MD, MPH

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**P09:** Standardized Robotic Training and Evaluation in a General Surgery Program  
**Authors:** *Harley Moit DO*, Michelle De Sutter, Anthony Dwyer MS, AHFP, and David Crawford MD

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**P10:** Evaluation of tolerance to propofol with frequent administration in children requiring outpatient sedation.  
**Authors:** Sandeep Tripathi MD, *Nadia Shaikh MD*, Girish Deshpande MD, Yanzhi Wang MD

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**P11:** Association of fluid overload within 72 hours after admission to Pediatric ICU with oxygen saturation index and SpO2/FiO2 ratio  
**Authors:** *Abdullah H. Malik MD*, Kimberly Burkiewicz DNP APRN, Maureen Welty DNP APRN, Huaping Wang PhD, Nabil Hassan MD, Girish Deshpande MD, Anil Kumar Swayampakula MD MPH

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**P12:** Current practice of tracheostomy after respiratory ECMO in children and review of outcome benefits of early tracheostomy  
**Authors:** *Swayampakula AK MD MPH*, Deshpande G MD, Welke K MD, Astle M RN, Wang Y PhD, Tripathi S MD

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**P13:** Childhood Diabetic Ketoacidosis in Central Illinois: Incidence, Contributing Factors, and Outcomes  
**Authors:** *Vivian Szymczuk, MD*, James Dunneback, MD, Valeria Benavides Lopez, MD

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**P14:** Association between Angina Class at Presentation with Percutaneous Coronary Intervention Rate  
**Authors:** *Chirag Divecha*, Mansoor Ahmad MD, Jay Patel MD, Muhammad Asghar MD, Minchul Kim PhD, Pablo Barzallo MD, Marco Barzallo MD, Sudhir Mungee MD FACC FSCAI

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**P15:** Association between Percutaneous Coronary Intervention Status and Rate of Intervention  
**Authors:** *Pablo Barzallo, MD*; Mansoor Ahmad MD; Jay Patel MD; Chirag Divecha; Muhammad Asghar MD; Minchul Kim, Marco Barzallo MD; Sudhir Mungee MD, FACC, FSCAI

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**P16:** Emotional Intelligence as it Relates to Burnout in Emergency Physicians  
**Authors:** *Tyler Johnson, Victor Chan DO*

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**P17:** Long Term Warfarin Therapy to Prevent Vertebral-basilar Recurrent Stroke Can Be Safe and Effective  
**Authors:** *Maureen Mathews*, Judith Beck, Michele Cusack, Candace Couri, Diana Connell, Tiffany Liu, Yiran Ma, Nancy Machens, Jemna Ren, Patricia Waldschmidt, Victoria Wu, Audrey Wylie, David Wang

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**P18:** Outcome of Measuring Platelet Aggregation Prior to Carotid Artery Angioplasty and Stenting  
**Authors:** *Maureen Mathews*, Judith Beck, Kenneth Fraser, Tiffany Liu, Sean Meagher, Jessica Mitchell, Mark Morris, Yiran Ma, Victoria Wu, David Wang

# POSTER PRESENTATIONS - PROCESS IMPROVEMENT

**P19:** Community Stroke Educational Campaign Improves Use of Emergency Services

**Authors:** *Maureen Mathews*, Judith Beck, Michele Cusack, Candace Couri, Diana Connell, Teresa Swanson Devlin, Jan Jahnel, Tiffany Liu, Yiran Ma, Clayton McNeil, David Wang

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**P20:** Interventions to Increase Appropriate Critical Care Billing in the Emergency Department: A Quality Improvement Project

**Authors:** *Molly Davis DO*, Robert Wolford MD, Brandon Bleess MD, Marc Squillante DO, Alex Chang DO, Lindsey Budris DO, Mayur Patel DO, Sydney Stahlberg DO, Tyler Runde DO, Benjamin Kemp MD

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**P21:** Analysis of the baseline Variation in Infant Fever Workup and Treatment: Reducing Variability in Infant Sepsis Evaluation (REVISE) Project

**Authors:** *Molly Davis DO*, Joseph Mackey MD, and Dr. Teresa Riech MD

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**P22:** Enhancing Patient Experience in the Emergency Department with Multimedia-Assisted Discharge Instruction: A Quasi-Experimental Study

**Authors:** *Spencer R. Printen BS*, Amy Fiedler PA-C, Daniel R. Butterbach MD, Jack S. Wu MD

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**P23:** Improving BMI Through the Promotion of Oral Supplements

**Authors:** *Kherallah, N*; Green, M.; Nelson, S.; Lucia, R.; Scott, A.; Lapke, J.; McLauchlan, H.; Zuercher, T.; Stewart, J.

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**P24:** Incorporating a Culture of Research Into the Cystic Fibrosis Clinic

**Authors:** *Scott, Ashley*, Green, Marie, Nelson, Sarah, Lucia, Robert

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**P25:** Utilizing Shared Governance Structure to Promote Professional Development in the Outpatient Nurse

**Authors:** *Lindsay Vlaminck MS BSN RN*, Lynsi Hinrichsen BSN RNC-PCCN

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**P26:** Decrease Time to Surgeon Consultation for Esophageal and Pancreatic Cancer Patients

**Authors:** *Kathy Comella RN, BSN*

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**P27:** Emergency Department Crowding and Nontraditional Beds

**Authors:** *Elaine Frye, DNP, MBA, MHA, RN, NEA-BC*

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**P28:** Flipped Classroom: An Effective Teaching Strategy for Professional Development

**Authors:** *Jean E. Greiner*

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**P29:** Central Venous Catheter Training: Standardization Across Residencies Pays Off

**Authors:** *A Dwyer*, A. Martial, R. Lane, E Vazquez Melendez

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**P30:** STAT! Campy card is a hazard: OSF Micro lab QI process to ensure patients are not misdiagnosed with false *Campylobacter* infection

**Authors:** *Jessica L. Mathis*, Valerie L Gosack, John J. Farrell

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**P31:** Money for Nothing - Rapid Gram negative Identification by BioFire PCR does NOT Decrease Duration of Empiric Antibiotic Treatment

**Authors:** *Philip Mead*, Tommaso Raimondi, John J. Farrell



**P32:** Zero is a real number: iterative SPD QI process leading to zero case cart defects  
**Authors:** *R. Lowery, S. Greenwood, MB Schillinger, JJ Farrell*

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**P33:** C. Diff-erent Results: Partnering with the Microbiology Lab on Stewardship of C. difficile PCR tests  
**Authors:** *A. Bowers, RN; JJF Farrell, MD*

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**P34:** Interdisciplinary Approach Benefits Newborns with Hyperbilirubinemia  
**Authors:** *Ginger Barton MSN RN*

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**P35:** Improving Safe Sleep in a Low Socioeconomic Population at a Resident Continuity Clinic  
**Authors:** *Julie Weinberg MD, Zohra Moeenuddin MD*

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## POSTER PRESENTATIONS - CASE STUDY

**P36:** Swaddling Sepsis: Whole genome sequencing and an outbreak of Salmonella in the NICU  
**Authors:** *Alex Matelski, BA; Therese Woodring, BA; John J Farrell, MD*

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**P37:** Rising Maternal Sepsis and Mortality in Conjunction with Current Opioid Epidemic  
**Authors:** *Corrine Nelson, DO; Abbie Massengill, MD; Christie Porter, DO*

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**P38:** Idiopathic Chronic Eosinophilic Pneumonia with Bilateral Eosinophilic Effusions: A Unique Presentation of a Rare Disease  
**Authors:** *Rachael Davis MD, Ryan Dunn MD, William Tillis MD*

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**P39:** Concurrent Embolic Anterior Ischemic Optic Neuropathy and Central Retinal Artery Occlusion with Acute Silent Ischemic Stroke  
**Authors:** *Xiaojun Zhang MD, Josh Chisholm MD, Clifford Myers MD, Reuben Valenzuela MD, Arun Talkad MD, Ronda Boggs, Jorge Kattah MD*

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**P40:** Thyroglossal Duct Cysts: A Spectrum of Common to Rare Presentations  
**Authors:** *Travis Canova DO, Elton Mustafaraj DO, Alyssa Mowrer MD, Jeffrey DeSanto MD*

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**P41:** Anatomy and Pathology of the Cranio-cervical Junction  
**Authors:** *Jay Shah MD, David Holt MD, Mohammed R. Hayat MS, Jeffrey DeSanto MD*

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**P42:** Surgical Management of the Morel-Lavallée Lesion with Progressive Tension Sutures and Capsulotomies: An Innovative Approach  
**Authors:** *Luis R Tinoco-Garcia BS; Sara M. Taege BA; Charalambos K. Rammos MD FACS*

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**P43:** Is Prosthetic Prepectoral Breast Reconstruction Safe? A Young Surgeon's Early Experience with 152 Breasts  
**Authors:** *Sara M. Taege BA; Charalambos K. Rammos MD FACS*

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