2018 **Annual Scientific Meeting**

DATE	VENUE
4 DEC 18	The Ohio Union 1739 N. High Street Columbus, Ohio

Teaming Up on Science for a Healthier

The Center for Clinical and **Translational Science 6th Annual Scientific Meeting**



The Ohio State University

CENTER FOR CLINICAL AND TRANSLATIONAL SCIENCE





Dear Colleagues and Guests,

Welcome to the 6th Annual Ohio State Center for Clinical and Translational Science Scientific Meeting. This year's theme, *"Teaming up on Science for a Healthier Ohio"*, brings together experts in the fields of addiction, pain biology, Ohio's health priorities, and team science in order to tackle one of today's most pressing health problems. Although we have focused on illustrating how translational science is addressing the Opioid Crisis, the concepts presented here are meant to translate to integrated efforts to address other health priorities like reducing infant mortality, health disparities and chronic diseases and provides a blueprint for collaboration across the full spectrum of translational science. It also highlights Important concepts that impact all disciplines of science including team development, and ensuring the rigor and reproducibility of scientific inquiry.

The CCTS Planning Committee, co-led by Drs. Matthew Ringel and John Christman have put together an exciting day of talks, panel discussions and poster presentations from across the university—including faculty, fellows, research staff, and students. We hope the opportunities presented to you at the meeting will allow you to meet investigators from other disciplines that might lead to new collaborations, identify resources that can enable your research team's efforts and catalyze innovation that will lead to improvements in health locally, nationally and globally.

As our named Keynote Speaker this year, we are pleased to welcome Mr. Richard Harris. Over the course of his career, Mr. Harris has been the recipient of many prestigious awards, including the American Geophysical Union's 2013 Presidential Citation for Science and Society. He shared the 2009 National Academy of Sciences Communication Award and was a finalist again in 2011. In 2002, Harris was elected an honorary member of Sigma Xi, the scientific research society. Harris shared a 1995 Peabody Award for investigative reporting on NPR about the tobacco industry. Since 1988, the American Association for the Advancement of Science has honored Harris three times with its science journalism award. In 2017, he published his first book, *Rigor Mortis*, which explored the rigor and reproducibility of biomedical research and the underlying causes of why many experiments cannot be repeated.

My special thanks to the CCTS Planning Committee and Administrative Staff, our Executive Committee, and our Program Directors for their tireless efforts in pulling together this conference.

Enjoy the day. May you come away with at least one new idea and reaffirmation of the incredible potential of translational science.

Warm regards

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Rebecca D. Jackson, MD Max Morehouse Chair in Cancer Research Director, Center for Clinical and Translational Science Principal Investigator, Clinical and Translational Science Award Associate Dean for Clinical and Translational Research, OSU College of Medicine

Agenda

7:30 am – 8:00 am	Registration and Breakfast (Performance Hall)
	Poster Set-Up (Archie M. Griffen West Ballroom)
8:00 am – 8:15 am	Opening Remarks (Performance Hall)
	Rebecca Jackson, MD—Director, CCTS
8:15 am – 9:30 am	Ohio's Health Priorities and Call to Action (Performance Hall)
	Ohio Health Priorities
	Mark Hurst, MD
	The Opioid Crisis in Ohio: Current Status, Future Directions
9:30 am – 10:15 am	Howard Gutstein, MD (Performance Hall)
	The opioid epidemic: How what we already know can help us
10:15 am – 10:30 am	BREAK
10:30 am – 11:15 am	Howard Edenberg, PhD (Performance Hall)
	Genetics of substance use disorders – alcoholism
11:15 am – 11:30 am	Rebecca Jackson, MD (Performance Hall)
	Funding Opportunities
11:30 am – 1:00 pm	Lunch and Facilitated Table Talks (Archie M. Griffen West Ballroom)
	Table 1: Prevention and Community Outreach
	Table 2: Health Disparities
	Table 3: Opiates and infants
	Table 4: Geospatial approaches to the opioid epidemic
	Table 5: Infectious diseases and opiolos
	Poster Viewing (Archie M. Griffen West Ballroom)
1:00 pm – 2:00 pm	Keynote Talk (Performance Hall)
	Mr. Richard Harris
	NPR journalist and author
	Science Friction: What's Slowing Progress in Biomedical Research
2:00 pm – 3:00 pm	Lifespan Research (Performance Hall)
	Mark Klebanoff, MD, MPH
	Impact of Prenatal Marijuana Exposure on Childhood Outcomes Richard F. McClead, MD, MHA
	Ohio Perinatal Quality Collaborative and Decreased Length of Stay for Neonatal
	Abstinence Syndrome
3:00 pm – 3:40 pm	Caroline Wagner, PhD (Performance Hall)
· ·	Teaming and Collaborating for Translational Science

3:40 pm - 4:00 pmPresentation of Poster Awards (Performance Hall)4:15 pm - 5:00 pmNetworking and Poster Viewing (Archie M. Griffen West Ballroom)

Featured Speakers

Richard Harris Keynote Speaker



Richard Harris has covered science, medicine and the environment for National Public Radio since 1986. His award-winning work includes reports in 2010 that revealed the US Government was vastly underestimating the amount of oil spilling from the Macondo blowout in the Gulf of Mexico. He also shared a Peabody award with colleague Rebecca Perl for their 1994 reports about the tobacco industry's secret documents, which showed that company scientists were well aware of the hazards of smoking.

Richard has traveled the world, from the South Pole and the Great Barrier Reef to the Arctic Ocean, reporting on climate change. The American Geophysical Union honored him with a Presidential Citation for Science and Society.

In 2014, he turned his attention back to biomedical research and came to realize how the field was suffering. Too many scientists were chasing too little funding. That led him to take a year-long sabbatical at Arizona State University's Consortium for Science, Policy & Outcomes to research and write *Rigor Mortis*. It is his first book.

Richard grew up in the San Francisco Bay Area and earned a Bachelors degree in biology at UC-Santa Cruz. He graduated with highest honors and spoke at commencement. In his first full-time reporter job, at the Livermore (Calif.) *Tri-Valley Herald*, he discovered that the Lawrence Livermore National Laboratory was working on a new generation of nuclear weapons — ones that use nuclear explosives to generate energy beams. Scientists at the time contemplated putting these weapons in space to shoot down incoming missiles.

Richard has two grown children. He lives in Washington DC, which he traverses daily on his bicycle as he commutes to work.

Greg Moody



Greg Moody is an Executive-in-Residence at the John Glenn College of Public Affairs where he teaches, conducts research, and provides leadership training for state and local elected officials through the State of Ohio Leadership Institute. He joined the faculty after 24 years of public service in state and federal government.

Prior to his appointment, Greg served as the executive director of Ohio Governor John Kasich's Office of Health Transformation. His team gained national attention for its creativity in coordinating multiple state agencies and diverse private sector partners to improve overall health system performance. Greg began his public service career studying the impact of Medicaid on federal spending for the U.S. House Budget Committee under then-Chairman Kasich. He also served as chief of staff for Dean Bernadine Healy at The Ohio State University College of Medicine and executive assistant for Ohio Governor Bob Taft.

Greg has a Masters in Philosophy from George Washington University and a Bachelors in Economics from Miami University.

Mark Hurst, MD



Dr. Mark Hurst is director of the Ohio Department of Mental Health and Addiction Services, joining Governor John R. Kasich's Cabinet in July 2018 after serving as department medical director from 2012 until his appointment as director.

As medical director, Hurst provided clinical leadership for the department, including supervision of Ohio's six regional psychiatric hospitals and all drug and alcohol recovery services in the Ohio Department of Rehabilitation and Correction. He also led multiple community clinical efforts, including the development of effective clinical plans for the prevention and treatment of mental illness and addiction, recruitment and retention of qualified staff, and special topics of relevance including use of medication assisted treatment for

opioid use disorders, opioid prescribing rules, treatment of pregnant women with substance use disorders, expansion of naloxone availability, and suicide prevention.

Dr. Hurst joined the Ohio Department of Mental Health in 1993. Prior to his career with the state, he held leadership positions in psychiatry and addiction psychiatry in the VA health system, at Harding Hospital and at The Ohio State University.

A native of Zanesville, Hurst was the 1981 class valedictorian at Muskingum College in New Concord. He graduated from the Medical College of Ohio at Toledo in 1985 and completed residency training at the University of Michigan and at The Ohio State University. He is board-certified in psychiatry and addiction psychiatry and has been recognized by his peers as a "Best Doctor in America" on multiple occasions.

Howard Gutstein, MD



Howard B. Gutstein, M.D., is Professor of Anesthesiology at the University of Pittsburgh. The primary focus of Dr. Gutstein's research has been the molecular mechanisms underlying the development of opioid tolerance and dependence and the interactions between pain and analgesic signaling. Dr. Gutstein discovered that the mechanisms underlying the development of tolerance to narcotics can be completely separated from those causing pain relief. They have shown that growth factor receptor inhibitors, many of which have been approved for clinical use to treat cancer, can completely reverse established narcotic tolerance and also prevent it from occurring in animals. Dr. Gutstein has also discovered why opioids are often ineffective against pain caused by nerve injuries. Clinical studies in these areas are beginning shortly.

Dr. Gutstein was an undergraduate at Washington University and received his MD degree from Johns Hopkins University. He served an internship in general surgery at UC San Francisco and a residency, first in general surgery and then in anesthesiology, both at UC San Francisco. He was a fellow in pediatric anesthesiology at UC San Francisco and he completed a postdoctoral fellowship in neuroscience at the University of Michigan.

Howard Edenberg, PhD



Howard J. Edenberg, Ph.D., is Distinguished Professor and Chancellor's Professor at Indiana University, in the Departments of Biochemistry and Molecular Biology and Medical and Molecular Genetics, IU School of Medicine. His research focuses on the genetics and genomics of alcoholism and bipolar disorder, and spans interrelated areas that extend from genome-wide searches for genes affecting the risk for disease to molecular studies of the mechanisms by which associated variants affect gene expression, and from studies of the regulation of individual genes to genome-wide studies of expression. Early work on the structure and regulation of human alcohol dehydrogenase genes led to the first genetic evidence that they affect risk for alcoholism. He is one of the National PIs of the Collaborative Study on the Genetics of Alcoholism, which is working to identify

genes affecting risk for alcoholism and related phenotypes and understand how they and the environment interact to affect risk. He is one of the founders and leaders of the Substance Use Disorders working group of the Psychiatric Genomics Consortium, which is assembling mega- and meta-analyses in the area of alcohol and other substances of abuse. His research on alcohol dehydrogenase genes and alcoholism was recognized by his peers in the form of election as a Fellow of the American Association for the Advancement of Science *"for characterization of the alcohol dehydrogenase genes and for identification of other genes and alterations in gene expression that also affect alcoholism risk"* and by receipt of the Research Society on Alcoholism Distinguished Researcher Award for 2009.

Richard McClead, Jr., MD, MHA



Dr. Richard E. McClead, Jr., MD, MHA serves as the Associate Chief Medical Officer at Nationwide Children's Hospital. He is Professor Emeritus in the Department of Pediatrics, Division of Neonatology, College of Medicine, The Ohio State University. He is Co-Editor-in-Chief of the online journal, *Pediatric Quality and Safety.* Dr. McClead's scholarly interests focus on hospital-wide performance improvement. He leads quality improvement initiatives to eliminate medication errors, decrease diagnostic errors, and prevent sleep-related infant mortality. In

September, Dr McClead accepted the 2018 inaugural ABMS "Outstanding Quality Improvement Achievement Award" for his team's effort to eliminate adverse drug events.

Mark Klebanoff, MD, MPH



Mark A. Klebanoff, MD, MPH, is a Principal Investigator in the Center for Perinatal Research at the Research Institute, Professor of Pediatrics and of Obstetrics and Gynecology at The Ohio State University College of Medicine, and Professor of Epidemiology at The Ohio State University College of Public Health. Dr. Klebanoff is a general pediatrician an epidemiologist and serves as Director of the Ohio Perinatal Research Network. Dr. Klebanoff is past president of the Society for Pediatric and Perinatal Epidemiologic Research and is an elected member of the American Epidemiological Society, the American Pediatric Society and the Johns Hopkins Society of Scholars. He is an Editor of the American Journal of Epidemiology and of Pediatric Research.

Caroline Wagner, PhD



Caroline S. Wagner holds the Chair endowed by Milton & Roslyn Wolf at the John Glenn College of Public Affairs at the Ohio State University, ranked #16 in top public universities in the United States. Dr. Wagner conducts research in the field of science and technology and its relationship to policy, society, and innovation, with a particular focus on international collaboration. She received a Ph.D. in Science & Technology Dynamics from Amsterdam School of Communications Research, University of Amsterdam, a Master of Arts degree in Science, Technology, and Public Policy from George Washington University, and a B.A. is from Trinity College. She is the author of the 2019 book, "The Collaborative Era in Science," from Springer.

Facilitated Table Discussion Leaders

Kathy Lancaster, PhD, MPH

Table 1: Prevention and Community Outreach



Dr. Lancaster is an infectious disease epidemiologist with an interest in the behavioral aspects of substance use and HIV/STI prevention and transmission among underserved, vulnerable populations. She has several ongoing projects that focus on the implementation and evaluation of substance use reduction interventions within Ohio and globally. Currently, Dr. Lancaster is the OSU administrative principal investigator on the Peer-based Retention Of people who Use Drugs in Rural Research (PROUD-R2) study to improve retention of people who inject drugs (PWID) in clinical research in rural communities in Ohio, Kentucky, and Oregon (1U01TR002631-01). She also serves as an investigator on three OSU Opioid Innovation Award grants to improve the lives of those affected by opioid use disorders within Ohio. Previously, Dr. Lancaster was an investigator on a clinical trial, HPTN 074, that engaged PWID in substance use and HIV

treatment in Vietnam, Ukraine, and Indonesia. Her interest in infectious disease and substance use epidemiology has also led to her role as the Substance Use Working Group Chair for the International epidemiology Databases to Evaluate AIDS (IeDEA) consortium.

Timiya Nolan, PhD, RN, ANP-BC

Table 2: Health Disparities



Dr. Timiya S. Nolan is an Assistant Professor at The Ohio State University (OSU). Dr. Nolan is a three-time graduate of the University of Alabama at Birmingham (UAB) School of Nursing (BSN-2008; MSN-2011; PhD-2016). Her research interests are centered on the study of cancer survivorship health disparities and development of age- and culturally-sensitive interventions. Particularly, she is interested in understanding and bettering the survivorship of a target population of young African American breast cancer survivors. Dr. Nolan's predoctoral work provided formative data for the initial adaptation of a targeted, quality of life intervention for the target population. Currently, Dr. Nolan is conducting community-engaged work to further adapt the intervention. Her future work will pilot test the intervention, followed by a large randomized control trial to evaluate

effectiveness. Dr. Nolan is thankful for funding from an American Cancer Society Doctoral Degree in Cancer Nursing Scholarship, Komen Graduate Traineeship in Disparities Research, Jonas Nurse Leadership Scholarship, Next Gen James Ambassadors Small Grant, Coca Cola Critical Difference for Women Grant. She hopes that this work leads to reduction of survivorship health disparities through translation of research findings to practice and policy.

Kara Rood, MD

Table 3: Opiates and Infants



Dr. Kara M. Rood, an Assistant Professor Department of Obstetrics and Gynecology, is a maternal fetal medicine physician with an interest in maternal substance abuse, opioid use in pregnancy, and maternal mortality. She completed residency in Bridgeport Hospital Yale New Haven Health system and fellowship at The Ohio State Wexner Medical center. She currently oversees the Substance Abuse, Treatment, Education and Prevention Program (STEPP) for expectant mothers with addictions to drugs or alcohol at The Ohio State Wexner Medical Center.

Elisabeth Root, PhD

Table 4: Geospatial approaches to the opioid epidemic



Elisabeth Dowling Root is an Associate Professor in the Geography Department and the Division of Epidemiology at The Ohio State University. Dr. Root completed her PhD in Geography at the University of North Carolina at Chapel Hill in 2009 where she was a National Science Foundation Predoctoral Fellow at the Carolina Population Center. Dr. Root is a health geographer whose research focuses on evaluating the long-term impact of large-scale health interventions using geospatial analysis and Geographic Information Systems, and examining the joint effect of the physical environment and social structures on chronic and communicable diseases. She applies a holistic framework, integrating data on individual- and community-levels to study multi-scalar impacts on human health. Dr. Root currently has active research projects in Honduras, Bangladesh, and the

Philippines funded through the National Institutes of Health, National Science Foundation, and The Bill and Melinda Gates Foundation. Most recently she began working with the Ohio State Department of Health to build their "data lake" which integrates administrative data sources from health, education, public safety, and the judicial system. This "big data" resource will help the state with a variety of surveillance activities and to target local health programs.

Courtney Hebert, MD, MPH

Table 5: Infectious diseases and opioids



Dr. Courtney Hebert is an Assistant Professor in the Department of Biomedical Informatics and a Physician in the Division of Infectious Diseases at the Ohio State University. She completed her Internal Medicine residency at the University of Chicago in 2008 and remained for her Infectious Diseases fellowship, which she completed in 2011. She came to The Ohio State University in 2011 as a postdoctoral researcher in the Department of Biomedical Informatics, and received her Masters in Public Health with a specialization in Biomedical Informatics in 2013. Her research focuses on the secondary use of electronic record data in research and quality improvement efforts. She is the PI of an R01 focused on developing methodology to leverage clinical microbiology data to drive clinical decision support for antimicrobial prescribing. Predictive models created with these data

can beused to help providers choose the best antibiotic for a patient before culture results are available. She is also a project lead on a P30 grant from AHRQ focused on using electronic health record data to better track and prevent hospital acquired infections within institutions. Dr. Hebert is also part of the Ohio State team funded by PCORI as part of the Patient-Centered Network of Learning Health Systems (LHSNet), Clinical Data Research Network. In this role she is a member of the Ohio State PCORnet Investigator Committee charged with helping to extend capabilities and providing governance and oversight.

Presenter Abstracts

1	Anzai	29	Moss
2	Appiah Kubi	30	Olugbile
3	Ayers	31	Pannu
4	Barbosa	32	Park
5	Barnhart	33	Presley
6	Benej	34, 35, 36	Quatman
7	Bloom	37	Rusu
8	Bradley	38	Scott
9	Brammer	39	Shi
10	Brook	40	Shirley
11	Brown	41	Tang
12	Bush	42	Terndrup
13	Ching	43	Tiruye
14	Cloyd	44	Unudurthi
15	Cooper	45	Waitara
16	Dougherty	46	Walker
17	Dusane	47	Winter
18	Hartlage	48	Zakko
19	Hu	49	McDaniel
20	Krook		
21	Larue		
22	Le		
23	Leblanc		
24	Lee		
25	Mace		
26	Manglani		

- 27 Mazzarella
- 28 Menendez

Pre-Doctoral Graduate Students

2018 CCTS Annual Scientific Meeting

PRE-DOCTORAL GRADUATE STUDENTS

Abstract #2	Abstract #10	Abstract #11
George	Daniel	Lindsey
Appiah Kubi	Brook	Brown
Arts and Sciences, Chemistry	College of Public Health	College of Medicine
Non-peptidic cell-penetrating motifs for mitochondrion- specific cargo delivery	The Association Between Use of DATA 2000 Waivers and Hepatitis C Virus (HCV) Prevalence in Ohio in 2017	Feasibility of an interdisciplinary clinic for patients with non-arthritic hip disease

PI: Dehua Pei

PI: William Miller

PI: Stephanie Di Stassi

Abstract #12

Michael Bush

College of Engineering

Cardiac perfusion imaging with prospective respiratory motion correction Abstract #16

Patrick Dougherty

College of Arts and Sciences, Chemistry

Discovery of a Peptidyl Calcineurin-NFAT Interaction Inhibitor with In Vivo Efficacy in a Mouse Model of Acute Respiratory Distress Syndrome Abstract #18

Alex Hartlage

Nationwide Children's Hospital

A T cell-inducing vaccine affords protective immunity against chronic hepatitis C virus-related infection in rats

PI: Orlando Simonetti

PI: Dehua Pei

PI: Amit Kapoor

PRE-DOCTORAL GRADUATE STUDENTS

Abstract #26

Heena Manglani

College of Arts and Sciences Psychology

Effects of 4-week mindfulness training vs. adaptive computerized training on cognition in multiple sclerosis Abstract #27

Julie Mazzarella

College of Medicine Health and Rehab Services

Kinematic assessment of upper extremity motor development in infants with and without neonatal stroke at 8-12 weeks of age. Abstract #29

Sara Moss

College of Art and Sciences Psychology

Creating a clinical assessment of dementia caregiver needs: Bridging a research-practice fissure

PI: Ruchika Prakash

PI: Jill Heathcock

PI: Jennifer Cheavens

Abstract #38

Kimberly Scott

College of Medicine Health and Rehab Services

The Relationship between Parent-Reported PEDI-CAT Mobility and Gross Motor Function

PI: Jill Heathcock

Post-Doctoral Fellows, Clinical Fellows, Residents

2018 CCTS Annual Scientific Meeting

POST-DOCTORAL FELLOWS, CLINICAL FELLOWS, AND RESIDENTS

Abstract #6	Abstract #20	Abstract #22
Martin	Melanie	Van
Benej	Krook	Le
College of Medicine	College of Medicine	College of Medicine
Radiation Oncology	Medical Oncology	Pulmonary and Critical Care
Therapeutic targeting of mitochondrial metabolism improves the response to radiation therapy	Molecular characterization of acquired therapy resistance and tumor heterogeneity in cholangiocarcinoma	IL-13-regulated M2 Polarization during Granuloma Formation in an In Vitro Human Sarcoidosis Model
PI: Nicholas Denko	PI: Sameek Roychowdhury	PI: Elliott Crouser

Abstract #23

Alix Leblanc

College of Pharmacy

Targeting transporters to ameliorate chemotherapyinduced peripheral neuropathy Abstract #32

Dongju Park

College of Medicine Cancer Biology and Genetics

WWOX attenuates HR pathway by preventing excessive DNA end resection Abstract #37

Luiza Rusu

College of Medicine DHLRI

Novel GI2 N-Terminal I-SNAP Binding Domain Peptide Inhibits vWF Secretion, Microvascular Thrombosis, and Mortality in Lethal Sepsis

PI: Alex Sparreboom

PI: Kay Huebner

PI: John Christman

POST-DOCTORAL FELLOWS, CLINICAL FELLOWS, AND RESIDENTS

Abstract #39 Lei Shi	Abstract #43 Agumas Tiruye	Abstract #46 Kim Walker
College of Medicine Surgery	College of Vet Medicine Veterinary Preventative Med	College of Pharmacy
A comprehensive multicohort analysis of myocardial infarction reveals a robust diagnostic gene set	Accuracy of the Color Plate Micro-colony detection for the diagnosis of Mycobacterium tuberculosis complex in Northwest Ethiopia	Opioid-Related Acute Care Visits Among Adolescents Receiving Medication- Assisted Treatment
Pl: Hua Zhu	PI: Agumas Shibabaw	PI: Milap Nahata

Abstract #48

Jason Zakko

College of Medicine Surgery

Cardiovascular Tissue Engineering in the Fetus

PI: Christopher Breuer

Research Scientists and Faculty

2018 CCTS Annual Scientific Meeting

Abstract #3

Leona Ayers

Department of Medicine Pathology

Accelerating Disease Management Through Translational Research Supported by Human Tissue Procurement and Distribution Abstract #4

Gardenia Barbosa

College of Medicine Physical Therapy

Daily and Weekly rehabilitation delivery for young children with gross motor delay: a randomized clinical trial protocol

PI: Jill Heathcock

Abstract #8

David Bradley

College of Medicine Internal Medicine

Alterations in Human Visceral Adipose Tissue Type 2 Innate Lymphoid Cells (ILC2s) with Aging and as a Determinant of Insulin Resistance

PI: David Bradley

PI: Leona Ayers

Abstract #9 Jonathan Brammer

College of Medicine Internal Medicine

Elucidating the Role of STAT3/5 Associated Oncogenesis in T-Cell Large Granular Lymphocytic Leukemia Abstract #13

Christina Ching

College of Medicine Urology

IL-6 signaling triggers expulsion of uropathogenic bacteria from host epithelial cells to limit UTI chronicity Abstract #14

Jordan Cloyd

College of Medicine Surgery

Radiographic Characteristics of Neuroendocrine Liver Metastases Are Not Associated with Clinical Outcomes Following Liver Resection

PI: Jonathan Brammer

PI: Christina Ching

PI: Jordan Cloyd

Abstract #15

Jennifer Cooper

Colleges of Medicine and Public Health Pediatrics and Epidemiology

Randomized trial investigating the impact of drug disposal bag provision on the rate of postoperative opioid disposal in pediatric surgical patients

PI: Jennifer Cooper

Abstract #17

Devendra Dusane

College of Medicine Microbial Infection and Immunity

Role of Staphylococcus aureus aggregates in chronic orthopaedic joint infection Abstract #19

Zhiwei Hu

College of Medicine Surgery

Targeting Tissue Factor for Immunotherapy of Triple-Negative Breast Cancer Using a Second-Generation ICON

PI: Paul Stoodley

Abstract #21

Ross Larue

College of Pharmacy

Development of Novel Scaffolds for Allosteric HIV-1 Integrase Inhibition Abstract #25

Thomas Mace

College of Medicine Internal Medicine

CD200 promotes immunosuppression in the pancreatic tumor microenvironment PI: Zhiwei Hu

Abstract #28

Isabel Menendez

College of Medicine Radiology

Ultra-Fast Na18F Whole Body Dynamic Using Digital PET/CT in a Preclinical Phase I Study

PI: Ross Larue

PI: Thomas Mace

PI: Isabel Menendez

Abstract #30

Sope Olugbile

College of Medicine Comprehensive Cancer Center

Next-Generation Sequencing of T-Cell Receptors Reveals Immune Checkpoint Inhibitor Response Abstract #31

Sonal Pannu

College of Medicine Internal Medicine

Electronic Optimization of Inspired Oxygen during Mechanical Ventilation and Oxidized Biomarker Lipidomics; A Randomized Clinical Trial

PI: Sope Olugbile

PI: Sonal Pannu

Abstract #34

Carmen Quatman

College of Medicine Orthopaedics

Emergency Medical Service Fall Calls: An Opportunity for Injury Prevention Strategies in Older Adults Abstract #35

Carmen Quatman

College of Medicine Orthopaedics

Every Patient Out of Bed for Every Meal

Abstract #33

Carolyn Presley

College of Medicine Internal Medicine

The FITNESS Study: The Aging Immune System, Treatment Response, and Functional Decline among Older Adults with Lung Cancer

PI: Carolyn Presley

Abstract #36

Carmen Quatman

College of Medicine Orthopaedics

Pulse of the Operating Room: A Novel Approach to Monitoring Room Traffic

PI: Carmen Quatman

PI: Carmen Quatman

PI: Carmen Quatman

Abstract #40

Lawrence Shirley

College of Medicine Surgery

The Culture and Effect of Primary Human Thyroid Fibroblasts on Papillary Thyroid Cancer. Abstract #42

Thomas Terndrup

College of Medicine Emergency Medicine

Empathy Development in Emergency Providers

PI: Thomas Terndrup

Abstract #44

Sathya Dev Unudurthi

College of Medicine Physiology and Cell Biology

Evaluating the Efficacy of a Mind-Body Intervention in Overcoming Opioid Addiction, in Rural Adults Undergoing Outpatient Opioid Addiction Treatment

PI: Kathy Wright

PI: Lawrence Shirley

Abstract #45

Magarya Waitara

College of Medicine Surgery

Using a digital App and Enhanced Recovery after Surgery (ERAS) Pathway to Improve Patient Safety, Adherence and Outcomes in Thoracic Surgery.

PI: Desmond D'souza

Abstract #47

Jessica Winter

College of Engineering

Quantum Dot Reagents for Leukemia and Lymphoma Detection via Multiplexed Flow Cytometry Abstract #49

Jodi McDaniel

College of Nursing

Supplementing diets with n-3 fatty acids reduces high systemic levels of proinflammatory cytokines in aging adults

PI: Jessica Winter

PI: Jodi McDaniel

Research Staff and Clinical Research Coordinators

2018 CCTS Annual Scientific Meeting

RESEARCH STAFF AND CLINICAL RESEARCH COORDINATOR

Abstract #1

Eleine Anzai College of Vet Med

Surveillance system for detection of outbreaks of bovine tuberculosis in the State of Santa Catarina, Brazil Abstract #5

Wesley Barnhart Nisonger Center

Better Together: Cooking Matters for Adults with Developmental Disabilities and Direct Support Professionals in Ohio

Abstract #7

William

Bloom College of Medicine

Ophthalmology

Teleophthalmology: A Multidisciplinary Approach to Improving the Rate of Annual Diabetic Retinal Exams at The Ohio State University Wexner Medical Center

PI: Wondwossen Gebreyes and Shu-Hua Wang

PI: Susan Havercamp

PI: Susan Havercamp

Abstract #24

Hyunwook

Lee

College of Medicine Internal Medicine

mTORC1 mediates plasma membrane repair in ventilator-induced lung injury Abstract #41

Nina Shirley Tang College of Engineering

Non-Viral reprogramming of degenerate Intervertebral Disc Cells induce transdifferentiation to a Healthy Phenotype with enhanced extracellular matrix accumulation

PI: Joshua Englert

PI: Devina Purmessur

First Floor Performance Hall



Second Floor Archie M. Griffen Ballroom

