13th Annual CCTS Spring Conference  
Friday, April 13, 2018  
Lexington Convention Center  

**Opioids: Addressing the Public Health Crisis through Translational Science**

Held in conjunction with:
- 34th Annual BGSFN Spring Neuroscience Day
- College of Dentistry Research Day
- College of Engineering Biomedical Research Day
- College of Health Sciences Research Day
- College of Nursing Scholarship Showcase
- College of Public Health Research Day
- University of Kentucky MD/PhD Program Research Day

**Conference Chair:**  
Sharon Walsh, PhD  
Professor, Department of Behavioral Science, College of Medicine  
Director, Center on Drug and Alcohol Research  
University of Kentucky

**8:00-8:30 am**  
Registration and Continental Breakfast (BLUEGRASS BALLROOM)  
Also, Von Allmen Center for Entrepreneurship “1-Minute Pitch Your Poster” Competition occurring in Rotunda

**8:30-8:45 am**  
Welcome: Philip A. Kern, MD, CCTS Director (BLUEGRASS BALLROOM)

**8:45-9:45 am**  
Plenary Session (BLUEGRASS BALLROOM)  
*Tackling the Escalating Opioid Crisis with Science*  
Sharon Walsh, PhD  
Professor, Department of Behavioral Science, College of Medicine  
Director, Center on Drug and Alcohol Research  
University of Kentucky

**9:45-10:00 am**  
Break and Von Allmen Center for Entrepreneurship “1-Minute Pitch Your Poster” Competition occurring in Rotunda

**10:00-11:45 am**  
CCTS Breakout Sessions

- **Vulnerable Populations and Opioid Abuse** (Thoroughbred 1)  
  Carrie Oser, PhD, Session Chair  
  Professor and Associate Chair, Department of Sociology  
  College of Arts & Sciences  
  University of Kentucky  
  *“Strategies for recruitment, data collection, and HIV testing in rural opioid research: Opportunities and challenges”*  
  April Young, PhD  
  Assistant Professor, Department of Epidemiology  
  College of Public Health  
  University of Kentucky
“The emergence of Hepatitis C as a public health issue among rural Appalachian drug users”
Jennifer Havens, PhD
Professor, Department of Behavioral Science
College of Medicine
University of Kentucky

“Opioid abuse among rural Appalachian women recruited from jails”
Michele Staton, PhD, MSW
Associate Professor, Department of Behavioral Science
College of Medicine
University of Kentucky

“Mask off”: Examining opioid use among criminal justice involved African American men
Carlos Mahaffey, PharmD, MPH
Post-Doctoral Research Fellow, Department of Educational, School, and Counseling Psychology
College of Education
University of Kentucky

- Do the Next Right Thing: A Family-Centered & Multidisciplinary Approach to the Treatment of Substance Use Disorders among Perinatal Women (Thoroughbred 4)
Kristin Ashford, PhD, WHNP-BC, FAAN, Session Co-Chair
Assistant Dean of Undergraduate Faculty and Interprofessional Education Affairs
Director, Perinatal Research and Wellness
College of Nursing
University of Kentucky

Agatha Critchfield, MD, Session Co-Chair
Assistant Professor, Department of Obstetrics and Gynecology
Medical Director, PATHways Program
College of Medicine
University of Kentucky

“Background and Introduction to PATHways”
Kristin Ashford, PhD, WHNP-BC, FAAN

“PATHways: Prenatal Program”
Agatha Critchfield, MD
Jason Joy, MS, LMFT
Alcohol Counselor/Prevention Coordinator, Department of Maternal-Fetal Medicine
College of Medicine
University of Kentucky

“PATHways: Inpatient Support, Neonatal Abstinence Syndrome and the NACU”
Lori Shook, MD
Clinical Faculty, Department of Pediatrics
College of Medicine
University of Kentucky
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“PATHways: Beyond Birth”
  Nancy Jennings, RN, BSN
  Instructor, College of Nursing
  University of Kentucky
  Jason Joy, MS, LMFT

“Closing”
  Kristen Ashford, PhD, WHNP-BC, FAAN
  Agatha Critchfield, MD

- CLIK - Community Leadership Institute of Kentucky Scholar Presentations (Thoroughbred 6-7)
  Nancy Schoenberg, PhD, Session Chair
  Marion Pearsall Professor of Behavioral Science, College of Medicine
  Associate Dean for Research, College of Public Health
  University of Kentucky

  “Hitting the Goal on Healthy Habits”
  Jimmy Cantrell, President
  Appalachian Outdoorsman Association

  “Extending the Walking Path of the River Arts Greenway”
  Betsy Clemons, Executive Director
  Hazard-Perry County Chamber of Commerce

  “Wellness Works”
  Elisha Fisher, Health Educator
  Barren River District Health Department

  “Medication Safety (a focus on proper handling and disposing of prescription drugs)”
  Morgan Fowler, Director of Operations
  Marcum and Wallace Memorial Hospital

  “A School-based Tobacco Cessation Program: An Alternative Approach to Disciplinary Action”
  Ashley Nicole Gibson, Research Coordinator
  St. Claire HealthCare

  “Fit For Life”
  Mary Alice Prater, Faculty and Success Coach
  Maysville Community and Technical College Montgomery Campus

  “100% Tobacco-Free Schools”
  Sherrie Stidham, Health Educator
  Kentucky River District Health Department

11:45-12:00 pm Break and Von Allmen Center for Entrepreneurship “1-Minute Pitch Your Poster” Competition occurring in Rotunda
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12:00 – 1:30 pm  Lunch and Keynote (Bluegrass Ballroom)

12:15 pm  Presentation of Certificate & Degree Recipients and CLIK Graduates
Announcement of Von Allmen Poster Pitch Winners
Mentor Recognition Awards
Philip A. Kern, MD
Professor of Internal Medicine, Division of Endocrinology
Director, Center for Clinical and Translational Science
University of Kentucky

12:30 pm  Keynote Address
"Should We Use NIH Science and Implementation Science to Address the Opioid Crisis?"
David A. Fiellin, MD
Professor of Medicine
Director, Yale Program in Addiction Medicine
Yale School of Medicine

1:45 – 3:15 pm  College- and Center-specific Research Days
- 34th Annual BGSFN Spring Neuroscience Day (THOROUGHBRED 1)
- College of Dentistry Research Day (THOROUGHBRED 6-7)
- College of Engineering Biomedical Research Day (HYATT SUITES 2)
- College of Health Sciences Research Day (HYATT SUITES 1)
- College of Nursing Scholarship Showcase (THOROUGHBRED 4)
- College of Public Health Research Day (THOROUGHBRED 5)

1:45 – 3:15 pm  CCTS Scholar Presentations Session A (THOROUGHBRED 2)
Victoria King, PhD, Session Chair
Career Development Director
Center for Clinical and Translational Science
Associate Professor, Division of Cardiovascular Medicine, Department of Internal Medicine
University of Kentucky

Romulo Albuquerque, MD, PhD, Session Co-Chair
CCTS KL2 Scholar
Assistant Professor, Department of Ophthalmology and Visual Sciences
College of Medicine
University of Kentucky

1:45  “Sexual Dimorphism in a Marfan Syndrome Mouse Model”
Jeff Chen, PhD Candidate, MD/PhD Program, Department of Physiology, College of Medicine,
CCTS TL1 Pre-Doctoral Trainee, University of Kentucky

2:00  “Diet High in Fat and Salt Recapitulates the Type 2 Diabetes-Predictive Human Th17 Cytokine Profile in Mice”
Madhur Agrawal, PhD, Post-Doctoral Scholar, Department of Pharmacology and Nutritional Science,
College of Medicine, University of Kentucky

2:15  “Neuroprotective strategies following severe controlled cortical impact traumatic brain injury: lipid peroxidation-derived neurotoxic aldehyde scavenging and inhibition of mitochondrial permeability transition”
Jacqueline R. Kulbe, PhD Candidate, MD/PhD Program, Department of Neuroscience,
College of Medicine, Spinal Cord & Brain Injury Research Center, University of Kentucky
2:30 "Remember Alzheimer’s Disease When Evaluating White Matter Hyperintensities as a Marker for Cerebral Small Vessels Disease"
Omar M. Al-Janabi, MBChB, MS, Graduate Research Assistant, Department of Behavioral Science, College of Medicine, Sanders-Brown Center on Aging, University of Kentucky

2:45 "Blood-Brain Partition Coefficient Correction Improves Gray-White Matter Contrast in Blood Flow Measurement in Mice"
Scott W. Thalman, PhD Candidate, MD/PhD Program, College of Medicine, F. Joseph Halcomb III, MD Department of Biomedical Engineering, College of Engineering, University of Kentucky

3:00 "Non-Contrast Retinal Video Processing for Visualization of Blood Flow"
Paras Vora, Medical Student, College of Medicine, CCS TL1 Pre-Doctoral Trainee, University of Kentucky

1:45 – 3:15 pm CCTS Scholar PresentationsSession B (THOROUGHBRED 3)
Shanna Babalonis, PhD, Session Chair
CCTS KL2 Scholar
Assistant Professor, Department of Behavioral Science
College of Medicine
University of Kentucky

Brittany L. Smalls, PhD, MHSA, Session Co-Chair
Assistant Professor, Center for Health Services Research and Department of Internal Medicine
College of Medicine
University of Kentucky

1:45 “Impact of Posttraumatic Stress Symptoms on Physical Health Complaints among College Women: Indirect Effect of Sleep Quality”
Miriam F. Hazlett, Undergraduate Student, Department of Psychology, College of Arts & Sciences, University of Kentucky

2:00 “Contextualizing the Stress Experience of Custodial Grandparents in Central Appalachia”
Anna Hansen, Medical Student, MD/PhD Program, College of Medicine, CCTS Professional Student Mentored Research Fellowship Program, University of Kentucky

2:15 “Greater Changes in Acute Renal Function for African American Total Knee Arthroplasty Patients”
Tanner M. Womble, Medical Student, College of Medicine, CCTS Professional Student Mentored Research Fellowship Program, University of Kentucky

2:30 “Evaluation of Postnatal Growth and Caloric Intake in Relation to Intermittent Hypoxemia”
Friederike Strelow, MD, Chief Resident, Department of Pediatrics, Division of Neonatology, UK HealthCare

2:45 “Regional Telehealth Network for the Management of Neonatal Abstinence Syndrome in Infants from Rural Areas of Kentucky”
Susana A. Arriagada-Alvarado, MD, Director of Neonatal Outreach Program, Assistant Professor of Pediatrics, Division of Neonatology, UK HealthCare

3:00 “Voices of Hope: A Feasibility Study of Telephone Recovery Support”
Alex Elswick, MS, PhD Candidate, Department of Family Science, College of Agriculture, Food and Environment, University of Kentucky
3:30 – 5:30 pm  Poster Session and Afternoon Tea
Thomas Kelly, PhD, Session Chair
Robert Straus Professor of Behavioral Science, College of Medicine
Associate Dean for Research, College of Nursing
Director, Training Education and Mentoring (TEAM) Core
Center for Clinical and Translational Science
University of Kentucky

Throughout Day  Von Allmen Center for Entrepreneurship “1-Minute Pitch Your Poster” Competition
Warren O. Nash III, JD
Executive Director, Von Allmen Center for Entrepreneurship
Mariam Gorjian
Commercialization Specialist, Venture Studio Director and Program Manager
Eric Hartman
Director, Lexington Office of the Kentucky Innovation Network