10th Annual CCTS Spring Conference
Wednesday, March 25, 2015
Lexington Convention Center

“Physical Activity across the Lifespan”

Held in conjunction with:
- College of Dentistry Research Day
- College of Engineering Biomedical Research Day
- College of Health Sciences Research Day
- College of Public Health Research Day
- 31st Annual BGSFN Spring Neuroscience Day
- 34th Annual Symposium in Reproductive Science and Women’s Health

Conference Chair: Charlotte Peterson, PhD
- Joseph Hamburg Endowed Professor
- Associate Dean for Research
- College of Health Sciences
- Associate Director, CCTS
- University of Kentucky

8:00-8:30 am Registration and Continental Breakfast

8:15 am Welcome

8:30-10:30 am Plenary Session: Promoting Physical Activity and Understanding its Benefits

Charlotte Peterson, PhD, Session Chair

“National Exercise Clinical Trials Network”
Marcas Bamman, PhD
- Professor and Director, Center for Exercise Medicine
- Departments of Physiology & Biophysics, Medicine and Nutrition Sciences
- Center for Exercise Medicine
- University of Alabama, Birmingham

“Need to Lose Weight? Should You Exercise Too?”
Stephen P. Messier, PhD
- Professor and Director, J. B. Snow Biomechanics Laboratory
- Department of Health and Exercise Science
- Wake Forest University

“Challenging Current Concepts of Treadmill Training for Neurological Patients”
Lumy Sawaki, MD, PhD
- Associate Professor & Cardinal Hill Endowed Chair in Stroke and Spinal Cord Injury Rehabilitation
- Department of Physical Medicine and Rehabilitation, College of Medicine
- University of Kentucky
- Director of Research, Cardinal Hill Rehabilitation Hospital

“Injury Mitigation and Performance Optimization Strategies for the Elite Tactical Athlete: The Special Forces Operator”
Scott M. Lephart, PhD
- Professor and Dean
- College of Health Sciences
- University of Kentucky
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10:30-10:45 am   ** Break
** Biomedical Informatics session begins at 10:30 am – see schedule below

10:45 – 11:45 am   Breakout Sessions

**Physical Activity in Children**

Jody Clasey, PhD, FACSM, Session Chair
Professor, Department of Kinesiology and Health Promotion
College of Education
University of Kentucky

“Circadian Rhythms and Physical Activity in the Clay County School System”
Karyn Esser, PhD
Professor of Physiology, College of Medicine
Director, Center for Muscle Biology
University of Kentucky

“School-based Physical Activity and Behavioral, Academic and Mental Health Outcomes in Children”
Alicia Fedewa, PhD
Associate Professor, Department of Educational, School and Counseling Psychology
Heather Erwin, PhD
Associate Professor, Department of Kinesiology and Health Promotion
College of Education
University of Kentucky

“Impact of Maternal Exercise on Physiological Outcomes in Offspring”
Kevin Pearson, PhD
Associate Professor, Department of Pharmacology and Nutritional Sciences
College of Medicine
University of Kentucky

**Physical Activity in Chronic Disease**

Esther Dupont-Versteegden, PhD, Session Chair

“Community-based Exercise Program for Cancer Survivors: Opportunities and Challenges”
Esther Dupont-Versteegden, PhD
Associate Professor, Department of Rehabilitation Sciences
College of Health Sciences
University of Kentucky

“The Role of Exercise in Reducing Knee Pain in Older Adults”
Stephen P. Messier, PhD
Professor and Director, J. B. Snow Biomechanics Laboratory
Department of Health and Exercise Science
Wake Forest University
“Reducing CVD Risk in the Context of Multiple Cardiac Co-morbidities: The Role of Physical Activity”
Debra K. Moser, DNSc, RN, FAAN
Professor and Gill Endowed Chair
Director of Center for Biobehavioral Research in Self-Management of Cardiopulmonary Diseases
College of Nursing
University of Kentucky

Community Leadership Institute of Kentucky (CLIK)
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

“Creating a Climate for a Healthy Lifestyle”
Sandy Bowling
LKLP Community Action Council

“St. Joseph Martin/Floyd County Health Department Diabetes Partnership”
Neva Francis
Kentucky One Health, St. Joseph Martin

“Worksite Wellness-Focused on Diabetes”
Sandy Hogg
Kentucky Valley Education Cooperative

“Bright Smiles, Brighter Futures”
Stephen T. Richardson
Knott County Board of Education

“Cooking with Benefits”
Haley Siley
Barren River District Health Department

“Successful Women and Appalachian Girls Present: Seeds of South Floyd”
Kelsey Tackett
Floyd County Schools

Biomedical Informatics (This session only: 10:30 am – 12:00 pm)

“Virtual Unrolling: Non-Invasive Analysis of Written Material”
Brent Seales, PhD
Professor and Chair of Computer Science
College of Engineering
University of Kentucky

“Four Perspectives on Bioinformatics Research at UK”
Brent Seales, PhD, Moderator
Jinze Liu, PhD
Assistant Professor, Department of Computer Science
College of Engineering
University of Kentucky
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Hunter Moseley, PhD
Associate Professor, Molecular and Cellular Biochemistry
Associate Director of Informatics, Resource Center for Stable Isotope-Resolved Metabolomics
College of Medicine
University of Kentucky

Jeffrey Talbert, PhD
Professor, Department of Pharmacy Practice and Science, College of Pharmacy
Director, Institute for Pharmaceutical Outcomes and Policy
Associate Director and Co-Director, Biomedical Informatics Core, Center for Clinical and Translational Science
Associate Director, Center for Health Services Research
University of Kentucky

Chi Wang, PhD
Assistant Professor, Division of Cancer Biostatistics, Department of Biostatistics, College of Public Health
Co-Leader, Bioinformatics Section, Biostatistics & Bioinformatics Shared Resource Facility, Markey Cancer Center
University of Kentucky

12:00 – 1:30 pm   Lunch and Keynote

12:15 pm   Presentation of Certificate and Degree Recipients
Mentor Recognition Awards
Philip A. Kern, MD
Professor of Internal Medicine, Division of Endocrinology
Director, Barnstable Brown Diabetes and Obesity Center
Director, Center for Clinical and Translational Science
Associate Provost for Clinical and Translational Science
University of Kentucky

12:30 pm   Keynote Address
“Physical Inactivity as a Disease and How Much Exercise is Needed to Prevent It”
William E. Kraus, MD
Professor of Medicine, Biomedical Engineering, and Nursing
Duke University

1:45 – 3:15 pm   College- and Center-specific Research Days

1:45 – 3:15 pm   CCTS Scholar Presentations

Victoria King, PhD, Session Chair
Director, Career Development, Training Education and Mentoring (TEAM) Core
Center for Clinical and Translational Science
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