

# Nuts & Bolts

Friday, August 15, 2014

UTC University Center • Chattanooga, TN

## Annual Research Methods Symposium

Our goal is to engage community and academic investigators in the development of research in order to improve patient care quality and evidence-based decision making. UT College of Medicine faculty, residents & medical students as well as research coordinators, research administrators, and other individuals planning or are involved in medical research should attend.



### In the Auditorium • University Center, UTC

8:00 am - Breakfast

8:30 am - **Welcome & Introduction**

8:45 am - **Module 1) Research Foundations** - Eric Heidel, PhD

a) *The Research Question - FINER & PICO*, b) *Research Design - observational vs. experimental*,  
c) *Variables - scales of measurement & implications*, d) *Statistical Power - finding a significant p-value*, e) *Database Structure - basic principles*

10:15 am - Break

10:30 am - **Module 2) Applied Statistics** - Eric Heidel, PhD

a) *Descriptive Statistics*, b) *Between-subject Comparisons*, c) *Within-subject Comparisons*, d) *Correlations*, e) *Mixed and Multi-variable Analysis*, f) *2x2 Tables*, g) *Epidemiological Measures*

12:00 pm - Lunch (provided free of charge)

12:30 pm - **Presentation of an Award-Winning Research Case**

*From the UT College of Medicine Research Day*

1:00 pm - **Module 3) Evidence-based Medicine** - Eric Heidel, PhD

a) *Asking*, b) *Acquiring*, c) *Appraising*, d) *Applying*, e) *Assessing*

2:30 pm - **Research within the UT College of Medicine Chattanooga & Erlanger**

- Stacey Hendricks, CIM and Amy Hutcherson, PhD

3:00 pm - Adjourn



[www.utcomchatt.org/nutsandbolts](http://www.utcomchatt.org/nutsandbolts)

Approved for 5.5  
AMA/CME Credits

## ABOUT THE SPEAKERS

**Eric Heidel, PhD** - *Assistant Professor of Biostatistics, University of Tennessee Graduate School of Medicine*

**Stacey Hendricks, CIM** - *IRB Administrator, University of Tennessee Graduate School of Medicine*

**Amy Hutcherson, PhD** - *Director of Compliance and Sponsored Projects, University of Tennessee Graduate School of Medicine*

**Accommodations:** All educational sessions are free to attend and breakfast & lunch will be provided, courtesy of the University of Tennessee College of Medicine and Erlanger Health System. Continuing education credits for physicians and other health care professionals are made possible by the Office of CME at the University of Tennessee College of Medicine. **Please bring & wear your name tag for identification & networking purposes.** Please [contact the Office of CME](#) if you have any special requests or need any special accommodations.

**To Attend:** Pre-registration is not necessary (just sign-in when you arrive), but seating, course materials & meals are limited.

**Directions:** Nuts & Bolts will be held at the UTC University Center in the Tennessee room and Raccoon room. The University Center is 0.4 mile from the Erlanger Hospital Baroness Campus. From Erlanger, go west on Third Street (up the hill), turn left on Palmetto Street, and then turn right on Fifth Street. Drive over three speed bumps/cross walks, and you will see the University Center on your left. There will be signs to guide you to the Tennessee room. UTCOM and Erlanger faculty should walk if possible because there will be limited parking available in the Fifth Street parking garage and on the street.



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**AMA Credit Designation:** The University of Tennessee College of Medicine designates this live activity for a maximum of 5.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Accreditation:** The University of Tennessee College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.



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