Course Information

This overview course, presented by the Institute for Translational Sciences, Education Office (ITS-EO), consists of one-hour presentations held on Monday evenings at 5:15 P.M., Research Building 6 (formerly Children’s Hospital), Room 6.110.

UTMB faculty, fellows, residents and others interested in patient-oriented research may attend. Upon completion of this course, participants will be able to discuss the methods and ethical issues involved in translational and patient-oriented research. Upon request, participant attendance may be reported to training program directors.

Schedule

The schedule of lectures or presenters is subject to change. Additional sessions may be added, based upon registration. Optional discussion sessions may also be added based upon interest. The latest information is available on the ITS webpage located at: http://www.its.utmb.edu.

There are two learning modules within this course, Regulations and Ethics in Translational Research and Epidemiological & Statistical Methods in Translational Research. These may be attended as individual courses. Detailed information regarding these modules may be found in separate brochures.

Registration

You may complete registration electronically by visiting:
https://redcap.utmb.edu/surveys/?s=yo4dUfCYfw

Additional options include completing the form on the back of the brochure and submitting it to the Institute for Translational Sciences Education Office.

Graduate Students must also register through the GSBS during regular fall and/or spring registration (Course ID: PHS 6135)

THIS COURSE IS PART OF THE INSTITUTE FOR TRANSLATIONAL SCIENCES EDUCATIONAL PROGRAM, SUPPORTED IN PART BY A CLINICAL & TRANSLATIONAL SCIENCE AWARD FROM THE NATIONAL INSTITUTES OF HEALTH (UL1TR001439).
Where science and medicine merge...

TRANSLATIONAL RESEARCH: TOOLS & TECHNIQUES
Course Director: Karl E. Anderson, M.D.
Module Directors: Michele Carter, Ph.D.
Christine M. Arcari, Ph.D., M.P.H.

09/14/15 Molecular Methods in Clinical Research
Adrian Recinos, PhD

09/21/15 Molecular Methods in Clinical Research (Part 2)
Adrian Recinos, PhD

09/28/15 Methods of Assessing Nutrition and Body Composition
Harold H. Sandstead, MD

10/05/15 Tracer Methodologies in Clinical Research
Elena Volpi, MD, PhD

10/12/15 Bioinformatics Tools in the Transomics Era
Bruce A. Luxon, PhD

10/19/15 Pharmacokinetics in Translational Research
Wayne R. Snodgrass, MD, PhD

10/26/15 Introduction to the Values and Ethics of Clinical & Translational Research
Michele Carter, PhD & Invited Speaker

11/02/15 The Patient's Perspective: Why Clinical Trials Matter
Michele Carter, PhD & Invited Speaker

11/09/15 Unanticipated Problems and Adverse Events
Michele Carter, PhD & Invited Speaker

11/16/15 Ethical Issues in Using Human Biological Specimens
Michele Carter, PhD & Invited Speaker

11/23/15 Legal Perspectives on Human Subjects Projections: Court Interpretations
E. Bernadette McKinney, JD, PhD

11/30/15 Hot Topics in Human Subject Research - Ethics of Research on Prisoners
Michele Carter, PhD & Invited Speaker

12/07/15 International Research Ethics
Michele Carter, PhD & Invited Speaker

12/14/15 Oversight at a Federal Level: Most Common Pitfalls and Mistakes
Michele Carter, PhD & Invited Speaker

01/11/16 Teaching Skills
Vicki Freeman, PhD

01/25/16 Proteomics and its Clinical Application
John E. Wiktorowicz, PhD

02/01/16 Comparative Effectiveness Research
James Goodwin, MD

02/08/16 Vaccines and Clinical Research
Kwabena Sarpong, MD, MPH

Regulations & Ethics in Translational Research
(Director: Michele Carter, Ph.D., Institute for Medical Humanities)

02/22/16 Descriptive Epidemiology and Measures of Morbidity & Mortality
Christine M. Arcari, PhD, MPH

02/29/16 Validity and Reliability of Diagnostic and Screening Tests
Christine M. Arcari, PhD, MPH

03/07/16 Healthcare Epidemiology
C. Glen Mayhall, MD

03/14/16 Descriptive Statistics & Data Visualization
Heidi Spratt, PhD

03/21/16 Introduction to Study Design and Causality
Christine M. Arcari, PhD, MPH

03/28/16 Case-Control Studies
Christine M. Arcari, PhD, MPH

04/04/16 Cohort Studies
Christine M. Arcari, PhD, MPH

04/11/16 Clinical Trials
Christine M. Arcari, PhD, MPH

04/18/16 Estimation and Hypothesis Testing
Heidi Spratt, PhD

04/25/16 Confidence Intervals, Sample Size and Power
Heidi Spratt, PhD

05/02/16 Regression
Heidi Spratt, PhD

Core Competencies in Clinical & Translational Research
This activity is part of the ITS Educational Program and contributes to achieving the following competencies:

- Clinical & Translational Research Questions
- Study Design
- Research Implementation
- Sources of Error
- Statistical Approaches
- Biomedical Informatics
- Clinical Research Interactions / Responsible Conduct of Research
- Clinical Research Interactions/Regulatory Support & Knowledge
- Scientific Communications
- Cross Disciplinary Training
- Cultural Diversity
- Translational Teamwork
- Community Engagement
- Literature Critique

GME Designated sessions are under review by the UTMB GME Committee for the following general categories of graduate medical education:

- Medical Knowledge
- Practice-Based Learning & Improvement
- Professionalism
- Systems-Based Practice

Risk Management Education (△) credit is required for all UTMB faculty, fellows, and house staff under the Medical Liability requirements. (△) Sessions are pending approval by UTMB Risk Management to meet the annual requirement of up to 5.0 hours of Risk Management Education.

Last Updated 09/04/15