

Translational Research: *Tools & Techniques*

2015-2016

REGISTRATION FORM

FIRST NAME	LAST NAME, DEGREE
EMPLOYEE #	
DEPARTMENT/SCHOOL	
POSITION (Eg. Faculty, Fellow, Resident, Staff, GSBS Student, etc.)	
If in Fellow position:	Clinical Research
PHONE AND CAMPUS MAIL ROUTE	
COURSE FEE: \$60 - Includes refreshments & Lecture Handouts	
Method of payment:	
Check enclosed, made payable to "UTMB – ITS-EO"	
Internal UTMB Billing: ITS-EO will initiate billing process	
YOUR DEPARTMENT SPEED CHART NUMBERS	
YOUR BILLING CONTACT PERSON & PHONE NUMBER	

FAX OR MAIL REGISTRATION TO:

Institute for Translational Sciences
Education Office (ITS - EO)
Research Building 6 (Children's
Hospital) Room 6.118; Route 0342
301 University Blvd.
Galveston, TX 77555-0342
FAX (409) 772-1968
PHONE (409) 772-1484
E-mail: CTSA@utmb.edu

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).



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^{2b}
(Part 1)

Adrian Recinos, PhD

09/21/15 Molecular Methods in Clinical Research^{2b}
(Part 2)

Adrian Recinos, PhD

09/28/15 Methods of Assessing Nutrition and Body
Composition^{2b}

Harold H. Sandstead, MD

10/05/15 Tracer Methodologies in Clinical Research^{2a}
Elena Volpi, MD, PhD

10/12/15 Bioinformatics Tools in the Transomics Era^{2f}
Bruce A. Luxon, PhD

10/19/15 Pharmacokinetics in Translational Research^{2b}
Wayne R. Snodgrass, MD, PhD

Core Competencies in Clinical & Translational Research

This activity is part of the ITS Educational Program and contributes to achieving the following competencies:

- a Clinical & Translational Research Questions
- b Study Design
- c Research Implementation
- d Sources of Error
- e Statistical Approaches
- f Biomedical Informatics
- g Clinical Research Interactions / Responsible Conduct of Research
- h Clinical Research Interactions/Regulatory Support & Knowledge
- i Scientific Communications
- j Cross Disciplinary Training
- k Cultural Diversity
- l Translational Teamwork
- m Community Engagement
- n Literature Critique

Graduate School This course is offered for credit as a seminar course for students enrolled in the Graduate School of Biomedical Sciences (Course ID - PHS 6135).

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

10/26/15 Introduction to the Values and Ethics of
Clinical & Translational Research^{3g} Δ
Michele Carter, PhD & Invited Speaker

11/02/15 The Patient's Perspective: Why Clinical Trials
Matter^{3g,h} Δ
Michele Carter, PhD & Invited Speaker

11/09/15 Unanticipated Problems and Adverse
Events^{3g} Δ
Michele Carter, PhD & Invited Speaker

11/16/15 Ethical Issues in Using Human Biological
Specimens^{3g,h} Δ
Michele Carter, PhD & Invited Speaker

11/23/15 Legal Perspectives on Human Subjects
Projections: Court Interpretations^{3g,h} Δ
E. Bernadette McKinney, JD, PhD

11/30/15 Hot Topics in Human Subject Research -
"Ethics of Research on Prisoners"^{3g} Δ
Michele Carter, PhD & Invited Speaker

12/07/15 International Research Ethics^{3c,d,k,m} Δ
Michele Carter, PhD & Invited Speaker

12/14/15 Oversight at a Federal Level: Most
Common Pitfalls and Mistakes^{3h} Δ
Michele Carter, PhD & Invited Speaker

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

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

- ¹Medical Knowledge
- ²Practice-Based Learning & Improvement
- ³Professionalism
- ⁴Systems-Based Practice

01/11/16 Teaching Skills^{2j}
Vicki Freeman, PhD

01/25/16 Proteomics and its Clinical Application^{1b}
John E. Wiktorowicz, PhD

02/01/16 Comparative Effectiveness Research^{2a}
James Goodwin, MD

02/08/16 Vaccines and Clinical Research^{1b}
Kwabena Sarpong, MD, MPH

Epidemiological & Statistical Methods in Translational Research (Director: Christine M. Arcari, Ph.D., M.P.H. Preventive Medicine and Community Health)

02/22/16 Descriptive Epidemiology and Measures of
Morbidity & Mortality^{2b}
Christine M. Arcari, PhD, MPH

02/29/16 Validity and Reliability of Diagnostic and
Screening Tests^{2d}
Christine M. Arcari, PhD, MPH

03/07/16 Healthcare Epidemiology^{4c}
C. Glen Mayhall, MD

03/14/16 Descriptive Statistics & Data Visualization^{2e}
Heidi Spratt, PhD

03/21/16 Introduction to Study Design and Causality^{2bc}
Christine M. Arcari, PhD, MPH

03/28/16 Case-Control Studies^{2cd}
Christine M. Arcari, PhD, MPH

04/04/16 Cohort Studies^{2cd}
Christine M. Arcari, PhD, MPH

04/11/16 Clinical Trials^{2e}
Christine M. Arcari, PhD, MPH

04/18/16 Estimation and Hypothesis Testing^{2e}
Heidi Spratt, PhD

04/25/16 Confidence Intervals, Sample Size and
Power^{2e}
Heidi Spratt, PhD

05/02/16 Regression^{2e}
Heidi Spratt, PhD