

# Translational Biomedicine

## Executive Dean

- Patricia L. Winokur

## Education Director

- Donna A. Santillan (Obstetrics and Gynecology)

**Graduate degree:** MS in translational biomedicine

**Website:** <https://icts.uiowa.edu/>

## Courses

## Translational Biomedicine Courses

**TBM:5000 Translational Biomedical Research** **arr.**  
Student research guided by mentor.

**TBM:5001 Introduction to Translational Biomedicine** **3 s.h.**  
Basis for clinical and translational research; introduction to principles of experimental design for patient- and population-oriented research; approaches available to clinical and translational investigators (e.g., statistics, questionnaires, ethics, imaging, information technology); infrastructure that supports clinical and translational investigators at the University of Iowa and nationally; for early-career clinicians/scientists and established investigators. Requirements: enrollment in translational biomedicine MS program.

**TBM:5002 Critical Thinking and Communication: Study Design and Commercialization** **1 s.h.**  
Various study design methodologies and process of commercialization; presentations of current projects. Requirements: candidacy for MS in translational biomedicine.

**TBM:5003 Critical Thinking and Communication: Scientific Writing and Presentation Strategies** **1 s.h.**  
Grant development and journal writing process; development of effective scientific presentations.

**TBM:5004 Critical Thinking and Communication: Career Development and the Funding Process** **1 s.h.**  
Introduction to a variety of career development awards and their requirements; opportunity to work on personal career development grant applications.

**TBM:5005 Critical Thinking and Communication: Leadership, Team Science, and Community Engagement** **1 s.h.**  
Leadership skills for managing and developing a research team; leading and organizing a team; managing and sharing resources with other faculty and fellows; finding, hiring, and keeping good people; leading productive meetings; delegation strategies, resources and tools for quality community engagement; information on applying and teaching leadership skills to mentees.