

Introduction to Translational Research: From Bench to Bedside

Time: 9:00-9:50 am

Course director: Mark de Caestecker Mark.de.caestecker@vanderbilt.edu

Co-director: Abigail Brown Abigail.brown@vanderbilt.edu

Teaching Assistants: Christian de Caestecker and Darian Thomas

Syllabus:

<u>Day</u>	<u>Date</u>	<u>Topic</u>	<u>Speaker</u>
Friday	19-Mar	Course Introduction	Abby Brown
Monday	22-Mar	Overview of Translational & Clinical Research	Mark de Caestecker
Wednesday	24-Mar	Discussion: Clinical & Translational Research	Brown & de Caestecker
Friday	26-Mar	Drug Development & Regulation	Matt Luther
Monday	29-Mar	IRB & Ethical considerations in human subjects research	Todd Rice
Wednesday	31-Mar	Discussion - COVID paper	Brown & de Caestecker
Friday	2-Apr	Discussion: SARS-CoV-2 mRNA Vaccine Design Enabled by Prototype Pathogen Preparedness (video)	Brown & de Caestecker
Monday	5-Apr	Tech Transfer	Tom Utley
Wednesday	7-Apr	Human Clinical Trials	Loretta Byrne & Colleen Lawrence
Friday	9-Apr	FDA committee	Jamie Dwyer
Monday	12-Apr	Discussion - heart failure paper	Brown & de Caestecker
Wednesday	14-Apr	Biorepositories, Electronic Medical Records, & Use of Human Samples in Research	Robert Carroll
Friday	16-Apr	Discussion - informatics paper	Brown & de Caestecker
Monday	19-Apr	Cancer Drug Development & Regulation	Vicki Keedy
Wednesday	21-Apr	Data Safety Monitoring Boards for Clinical Trials	Harvey Murff
Friday	23-Apr	Ethics discussion	Brown & de Caestecker

Grading

- 1) Weekly journal or discussion group report (50%)
- 2) Journal Presentation (20%)
- 3) Class Participation (30%)