



## Now Open—Master's Degree Clinical Research Courses

**Expand your knowledge about translational research fundamentals, applied drug discovery & development and stem cell translation. Immediately apply newly learned skills and distinguish yourself as a leader in your field.**

As biotech, pharma, and In Vitro Diagnostics (IVD) companies mature, the need for professionals with a broad understanding of the skills required to be effective in a biopharmaceutical product discovery and development environment will increase.

### These courses are ideal for

- Healthcare or life science graduate students
- Working professionals from academia or biopharmaceutical industry
- Those with an interest in life science innovation as a career
- Individuals seeking to be more well-rounded healthcare or life science professionals

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### Spring Quarter 2018

Applied Drug Discovery and Development (CLRE-238)  
Stem Cell Translation (CLRE-237)

### Summer Quarter 2018

Translational Research Fundamentals (CLRE-236)



WTB-3039

“ I am excited that these new courses in Translational Research & Applied Drug Discovery and Development have been incorporated into the Clinical Research program curriculum. They will provide uniquely powerful and practical training in translational medicine to help develop “integrative” and entrepreneurial health-care professionals who are so badly needed in the biopharmaceutical industry.”



**Mark Fineman, PhD, MAS**  
Chief Scientific Officer  
Elcelyx Therapeutics, Inc.  
Graduate of the Master's degree  
program in Clinical Research at  
UC San Diego

# Courses

## Spring Quarter 2018

### Applied Drug Discovery and Development (CLRE-238)

Students will understand the drug discovery & development process through case studies in mentored teams. Each team is assigned a pharmacotherapeutic modality and will use publicly disclosed information to reconstruct the entire translational chain of events from new drug idea to market and back. (Prerequisite CLRE-236 or consent of the department required.)

### Stem Cell Translation (CLRE-237)

Course focuses on practical application of the principles of translating stem cell based therapies, especially those in early development and phase 1 studies. Acquire the skills needed to translate these interventions from the bench to the bedside by designing a trial. The differences between drug and stem cell based therapies will be highlighted.

## Summer Quarter 2018

### Translational Research Fundamentals (CLRE-236)

Students learn principles and practices of translational medicine applied to discovery and development of diagnostics, drugs, and cell-based therapies. Topics covered include biomarkers, intellectual property, omics, translational imaging, pharmacogenomics-driven treatment, and discovery and development of diagnostics, drugs and stem cell therapies.

## Faculty



**Regent Laporte, DVM, MSc, PhD**

Translational Research Fundamentals (CLRE-236)  
Applied Drug Discovery and Development (CLRE-238)



**Pierre Riviere, PhD**

Applied Drug Discovery and Development (CLRE-238)



**Sheldon Morris, MD**

Stem Cell Translation (CLRE-237)

### To enroll

Tam Nguyen, Program Manager  
clre@ucsd.edu, 858-534-9164

[clre.ucsd.edu](http://clre.ucsd.edu)