

HENRY E. RIGGS SCHOOL OF APPLIED LIFE SCIENCES

Master of Science in Translational Medicine

MSTM

The **MSTM** is a two-year KGI-Irell and Manella Graduate School of Biological Sciences at City of Hope (COH) joint program. Graduates will be uniquely positioned to begin research laboratory careers in the biotechnology/ pharmaceutical industry, clinical or academic laboratories, or pursue further education at the doctoral level, in medical education, or both.



IRELL & MANELLA GRADUATE SCHOOL OF BIOLOGICAL SCIENCES



PROBLEM SOLVING

Tackle complex problems and contribute productively on an interdisciplinary team



REAL-WORLD DISCOVERIES

Translate scientific discoveries into products and processes that benefit society



OUTCOMES DRIVEN

Learn skills that prepare graduates for careers in academic, industrial, and hospital settings

About the Program

This joint KGI-COH program is designed for ambitious individuals who are interested in pursuing research-oriented careers related to medicine. Students will have the opportunity to select from over 100 advisors and research projects from which to develop their research thesis. Students will be working closely with research staff, postdocs, and PhD students.

Year 1

- Students take rigorous graduate-level courses at KGI in applied biomedical sciences including core science, professional development, and advanced technical electives
- At COH, students undergo advanced training in translational research concepts and techniques such as analytical cytometry, mass spectrometry, light microscopy, and 3D oncologic imaging
- Independent research begins with a broadly defined thesis project

Summer

- At COH, students develop their research project and establish their mentor and thesis committee
- Training in responsible conduct of research and laboratory safety training is completed to begin intensive lab research

Year 2

- Students will produce cutting-edge research at COH that develops novel therapeutic strategies
- An immersive research capstone experience allows students to use COH and KGI resources to dive deep into their thesis project
- Culminating presentation of thesis is conducted at the KGI MSTM Research Symposium and COH

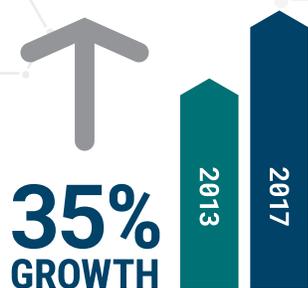
What can I do with this degree?

Top potential occupations for translational and clinical research professionals

- Research and development (R&D)
- Medical and health services
- Natural sciences managers
- Clinical research coordinators
- Technical writers
- Clinical manager
- Clinical trial manager
- Medical writer
- Medical science liaison
- Clinical operations manager

Stepping stone to doctoral degrees

- MD/DO, PhD, PharmD, etc.



Employer demand for clinical and translational science professionals nationwide grew by 35% between 2013-2017 and is projected to grow from 2017 to 2026, faster than the average for all occupations.



How to Apply

Dates and Deadlines

Start Terms: Fall

Application Deadline: December 15 (priority), rolling admissions thereafter

Application Requirements

An online application form is required that contains questions about your personal and educational background. Additional requirements can be submitted along with your online application or separately:

- Personal Statement
- Resume
- Letter of Recommendation
- Transcripts
- Standardized Test Scores (GRE, MCAT, or GMAT)
- English Language Proficiency (TOEFL, PTE, IELTS, iTEP)
- \$75 non-refundable application fee

Admission Interviews: A phone, Skype, or on-campus interview is a requirement for admission. The Office of Admissions schedules individual interviews after an application is complete.

Application Review: The Admissions Committee is made up of faculty and senior administrators who will thoroughly and conscientiously review each application.

Admitted Students: Admitted students are required to submit a \$400 non-refundable enrollment fee to hold their spot in the program.



Research Spotlight

KGI and IMGS are dedicated to interdisciplinary and translational applied life science research. Research areas include:

- Disease mechanisms for cancer, diabetes, and HIV/AIDS
- Molecular and cellular mechanisms of aging
- Genomics and epigenetics research
- Pharmaceutical discovery and development
- Immunotherapy, CAR-T and stem cell therapy

Contact Us

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