



MASTER OF SCIENCE IN CLINICAL AND TRANSLATIONAL RESEARCH

GRADUATE DIVISION

Info About UH Mānoa

UH Mānoa is a land, sea, space, and sun grant research university of international standing with pioneering research and strengths in various areas. These include, but are not limited to: tropical agriculture, tropical medicine, oceanography, astronomy, linguistics, education, cancer, genetics, electrical engineering, volcanology, evolutionary biology, comparative philosophy, comparative religion, Hawaiian studies, Pacific Islands & Asian area studies, and Asian and Pacific region public health. The Mānoa valley serves as a backdrop for a unique and inviting campus. It includes an authentic Japanese tea house and garden located on the East-West Center grounds, a Korean Studies center that is a replica of a Korean king's throne hall, and Ka Papa Lo'i O Kānewai, a Hawaiian cultural research and outreach program centered on the cultivation of Hawaiian taro. UH Mānoa is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges.

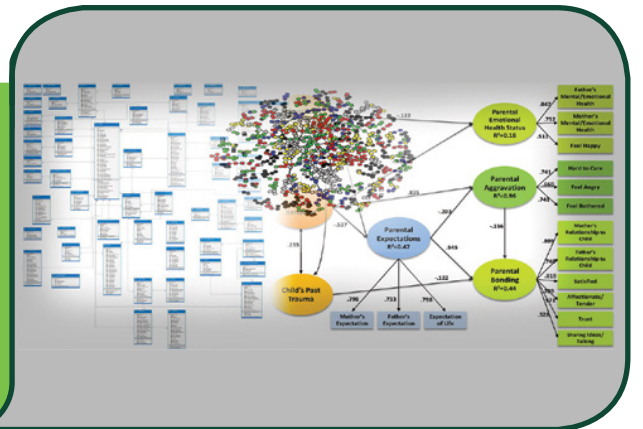
What is a M.S. in Clinical and Translational Research?

This graduate program is offered with 2 tracks: Clinical Research (CR) and Quantitative Health Science (QHS). The CR track provides knowledge and skills through coursework and student research projects in clinical, laboratory, and community-based research. The QHS track provides basic knowledge and application skills in biostatistics, bioinformatics, and big data analysis. Both tracks aim for students' mastery of scientific principles and methodologies that underlie basic, translational, and clinical research to improve community, population and individual health.



Why apply to this graduate program?

Students are prepared with knowledge/skills to address health problems in cancer, cardiovascular, respiratory, perinatal development, neurocognition, aging, nutrition and metabolic disease areas that represent the most pressing health care issues in our communities. The fields of CR and QHS are in increasing need of experts with predicted employment growth in Hawaii by 34% in clinical research, and 14% in computer and mathematics-related occupations. Graduates will meet these needs in research, research support, and data analyst careers in academia, hospitals, government and healthcare agencies, and the pharmaceutical industry.



Faculty: Research Areas & Expertise

Our regular and cooperating faculty represents expertise in biostatistics, bioinformatics and in basic, translational and clinical research within areas of pediatrics, geriatrics, chronic diseases, nutrition, medical genetics, epidemiology, health disparities and community-based research. Our collaborating partners include the clinical and basic science departments at JABSOM, departments at UH Mānoa, the Cancer Center, the School of Nursing, hospitals in the State of Hawaii, non-profit organizations, and national and international research and healthcare institutions.

ENGAGE

FIRST YEAR, MATRICULATION INTO PROGRAM

NAVIGATE

MIDWAY THROUGH PROGRAM

COMMUNICATE

PREPARATION TO GRADUATE AND GO FORTH

ACADEMIC JOURNEY

- 2 Tracks: Clinical Research and Quantitative Health Sciences
- 34 total credit hours over 2 years
- Plan A (Thesis): 24 credits of didactic courses
- Plan B (Capstone Project): 28 credits of didactic courses

- Meet with and select faculty advisor
- Complete core courses
- Start track-specific courses
- Complete track-specific and elective courses
- Form a thesis committee
- Complete qualifying exam and Form II
- Present a thesis/capstone project proposal
- Submit Thesis/capstone project and Forms III/IV

INVOLVEMENT

- Options: Full time, Part time, Individual courses
- Dual course listing: UHM and Outreach
- Coursework and assignments
- Engage with clinical research environment and community

- Establish connections with researchers through weekly research seminars
- Identify an advisor and prepare feasible plans for a research project
- Develop timely research project ideas
- Embark on an independent research project
- Continue to develop the research project
- Present at the JABSOM Biomedical Symposium
- Participate at local and national scientific forums
- Work on thesis/capstone project and prepare data for publication

KNOWLEDGE/SKILL BUILDING

- Establish clinical research knowledge base
- Develop quantitative health science skills
- Gain clinical and translational research experience

- Learn literature search methods and keep up to date with your research field
- Develop presentation and scientific writing skills
- Engage in presentations/seminars focused on clinical and quantitative research areas and methods
- Complete elective courses to gain specific skills
- Apply newly acquired knowledge, skills and methods to the research project
- Apply scientific writing/presentation skills to present data
- Incorporate new knowledge/skills into thesis/capstone project

CAREER PLANNING

- Career advising with academic and project advisors
- Professional development workshops
- Network building, society memberships
- Conferences, presentations

- Engage in career advising with academic and project mentors
- Broaden skills with elective courses
- Build professional networks through research and community engagement
- Attend seminars, workshops and scientific conferences
- Participate at local and national job fairs
- Develop and keep updated your resume
- Solicit letters of recommendation
- Present thesis/capstone project results at community forums

Links

Program Website:

<http://msctr.jabsom.hawaii.edu>

Contact Information for program:

• Dr. Katalin Csiszar (Graduate Chair): katalin@hawaii.edu

• Graduate Program in Clinical and Translational

Research: GradCTR@hawaii.edu

Faculty webpages, CVs, and profiles:

<http://msctr.jabsom.hawaii.edu>

Career options with this degree:

- Clinical Researcher and Clinical Research or Trials Research Staff
- Biostatistician or Bioinformatician
- Epidemiologist, Data Analyst, Data Scientist
- Health Policy Analyst or Health Educator
- Hospital and Clinic Program Administrator
- Program Evaluator