



Atlanta Clinical & Translational Science Institute
Community · Discovery · Training

Research Education, Training, and Career Development Program

Master of Science in Clinical Research

KL2 – Mentored Clinical and Translational Research Scholars

TL1 – Medical Scientist Training



NIH FUNDED CLINICAL AND TRANSLATIONAL SCIENCE AWARD



EMORY
UNIVERSITY

Master of Science in Clinical Research

In order to achieve excellence in the 21st century, investigators undertaking clinical and translational research must couple their knowledge of medicine and biology with analytic sciences including statistical reasoning, decision analysis, probability theory, analytical epidemiology, and informatics. They must also have an understanding of the principles of evidence-based medicine, implementation science, bioethics, clinical trial design, regulations involving human subjects and animals, scientific and grant writing, and responsible conduct of research.

The Master of Science in Clinical Research (MSCR) degree program from the Emory University Laney Graduate School provides didactic and mentored clinical and translational research training. The degree is designed for participants who hold a doctorate or equivalent degree (such as physicians and PhD-level scientists) and have demonstrated a commitment to a career in clinical investigation. Pre-doctoral (medical or PhD graduate) students may apply to the MSCR program through the TL1-Medical Scientist Training Program (dual degree program).

The MSCR requires a minimum of 28 academic credit hours, which include classes, a research thesis, and a written grant proposal. Full time students complete two semesters of class work in the first year. The summer and second year consist of completing required rotations (IRB and Clinical Interaction Network), research project, thesis, and grant. Mentoring is by an established and successful federally-funded clinical investigator.

Admission is rolling and applications are accepted until the class is full. For selected qualified applicants, tuition scholarships are available from the Atlanta Clinical and Translational Science Institute (ACTSI), funded by a NIH Clinical and Translational Science Award (CTSA). Further information is available online: actsi.org/retcd



MSCR class of 2008 with mentors and program directors

MSCR Curriculum

CORE COURSES

Introduction to Clinical and Translational Research
Analytic Methods for Clinical and Translational Research I and II
Biostatistics
Data Management
Community Engagement/Health Disparities in Clinical Research
Clinical Trial Design and Analysis
Scientific and Grant Writing for Clinical and Translational Research
Fundamentals of Bioinformatics
Clinical Research Colloquium
Analysis of Clinical Research Data
Ethical, Legal, and Social Issues of Responsible Clinical Research
Rotation in the Clinical Interaction Network (CIN)
Rotation on the Institutional Review Board (IRB)

ELECTIVE COURSES

Electives offered include Behavioral Science and Health Education, Bioinformatics, Biostatistics, Epidemiology, Health Policy and Management, and Biology and Biological Sciences



RETCD Executive Committee

Henry M. Blumberg, MD, Program Director
Professor of Medicine, Division of Infectious Diseases
Emory University School of Medicine
Professor of Epidemiology and Global Health
Emory University Rollins School of Public Health
Hospital Epidemiologist, Grady Memorial Hospital

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Emory University School of Medicine

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Division of Infectious Diseases

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Director, Biostatistical and Data Management Center
Research Assistant Professor of Community Health and Preventive Medicine
Morehouse School of Medicine

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Professor of Microbiology and Immunology
Graduate Division of Biological and Biomedical Sciences
Emory University
Senior Research Career Scientist
VA Medical Center (Atlanta)

Andi L. Shane, MD, MPH, MSc
Co-Course Director, SoCRATES: Short Course on Clinical Research and Translational Experience in Science
Assistant Professor
Department of Pediatrics
Division of Infectious Diseases

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Professor of Medicine, Division of Cardiology
Emory University School of Medicine
Professor of Epidemiology
Emory University Rollins School of Public Health
Director, Emory Program in Cardiovascular Outcomes Research and Epidemiology (EPICORE)

RETCD Advisory Committee

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Woodruff Health Sciences Center
Stephen W. Schwarzmann Distinguished Professor of Medicine
Division of Infectious Diseases
Emory University School of Medicine

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Emory University School of Medicine

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Woodruff Health Sciences Center
Chief Medical Information Officer
Emory Healthcare and Emory University

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Director, Renal Division
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Emory University School of Medicine

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Emory University School of Medicine
Medical Director
Children's Healthcare of Atlanta at Egleston

Keith D. Wilkinson, PhD
Professor of Biochemistry
Director, Graduate Division of Biological and Biomedical Sciences
Emory University

Stuart M. Zola, PhD
Director, Yerkes National Primate Research Center
Professor of Psychiatry and Behavioral Sciences
Emory University School of Medicine
Senior Research Career Scientist
VA Medical Center (Atlanta)

RETCD Other Faculty

Claudia Adkison, JD, PhD
John Banja, PhD
Jose N. Binongo, PhD, MS, MEd
Angela Caliendo, MD, PhD
Steven Culler, PhD
Robert Davis, MD, MPH
David M. Guidot, MD, MPH
Clifford J. Gunthel, MD
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Winifred Wilkins Thompson, PhD, MSW
Stanley Wilson, MMSc/CHP
Kristin West, JD
Elleen M. Yancey, PhD



MSCR Application Process

MSCR applications are reviewed by the Research Education, Training, and Career Development (RETCD) Executive Committee. Candidates are selected on the basis of academic qualifications, departmental recommendations, diversity, and multidisciplinary background. Information on the programs, applications, and instructions are available online: actsi.org/retcd

KL2 – MENTORED CLINICAL AND TRANSLATIONAL RESEARCH SCHOLARS

The KL2 - Mentored Clinical and Translational Research Scholars program is supported by a NIH Clinical and Translational Science Award (CTSA) and provides didactic and mentored clinical and translational research training. The program is open to Emory University, Georgia Institute of Technology, and Morehouse School of Medicine junior faculty with a doctorate (MD or PhD), at the level of instructor or assistant professor, who are committed to a career in clinical and/or translational research. The MSCR is the didactic portion of the research training. Those funded receive 75% salary support, research costs, and tuition for the MSCR. Candidates are selected through a competitive process. Applications are due March 1.

TL1 – MEDICAL SCIENTIST TRAINING

The MD/MSCR and PhD/MSCR dual degree programs support pre-doctoral clinical and translational research training for medical students and other health professionals pursuing doctorate degrees in public health, biomedical sciences, and nursing. Stipends and tuition support are available under the Medical Scientist Training Program to candidates not supported by a NIH or other federal grant. Applications are due March 1. Further information is available online: actsi.org/retcd



Dr. Jeannie Visootsak, KL2 scholar and MSCR graduate, with study participant

MSCR APPLICATION

For application to the Master of Science in Clinical Research (MSCR) degree program, apply to the Graduate School at Emory University. The application is online: www.gs.emory.edu/admissions/application.php

ADDITIONAL MATERIALS

MSCR applicants must submit the following additional materials by e-mail to: csroka@emory.edu

1. Curriculum Vitae
2. Research project thesis proposal
3. Commitment letter from Department Chair to provide:
Applicant salary/stipend during study
Protected time (40+ hr/wk) to complete requirements
Thesis research mentor
4. Mentor NIH Biosketch, other support, and commitment letter
5. Request for tuition scholarship if applicable

Further information about the ACTSI



CTSA Clinical & Translational
Science Awards



EMORY
UNIVERSITY



Research Education, Training, and Career Development Program

(MSCR, KL2, and TL1)

Further information is available
online: actsi.org/retcd

Contact: **Cheryl Sroka**

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