



TO BE SUCCESSFUL

Students completing the ART course of study must also remain in good standing in the University of Rochester School of Medicine and Dentistry. Students are expected to attend at least 75% of the seminars during the first two years, or during their year out. For those students pursuing a concurrent Masters degree, this requirement is waived. Upon successful completion of the course of study, including a final paper and oral presentation, students will graduate with an M.D. degree and a certificate of completion in ART. If the final paper is judged meritorious, the student's M.D. degree will be "with distinction and honors in research."

FUNDING

ART is a training component of the University of Rochester Medical Center's Clinical and Translational Science Award (CTSA), which supports several students per year. CTSA funding consists of a NIH-level stipend and additional money to support the research. Funding is awarded on a competitive basis after review of student applications that outlines the proposed work, its importance to the applicant's proposed career path, and that describes in detail the mentoring plan for the student's work. The CTSA also provides additional support in the form of tuition for funded scholars who wish to pursue a Master's degree within the URM School of Medicine and Dentistry.



Questions about ART and admission
may be addressed to:

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For detailed information, please see our Web site:
[http://www.urmc.rochester.edu/education/md/
prospective-students/academic-research-track.cfm](http://www.urmc.rochester.edu/education/md/prospective-students/academic-research-track.cfm)

UNIVERSITY OF ROCHESTER SCHOOL OF MEDICINE AND DENTISTRY

Academic Research Track



"Academic research careers in medicine offer unparalleled intellectual challenges, career flexibility and job satisfaction."

– Robert A. Gross, M.D., Ph.D.



UNIVERSITY of
ROCHESTER
MEDICAL CENTER

MEDICINE of THE HIGHEST ORDER

THE “ART” OF RESEARCH

ART is an excellent option for highly motivated medical students interested in pursuing an academic career in medicine that encompasses research. The track features broad and deep exposure to basic, clinical, educational or translational research, involving both didactic and mentored research experiences through an enriched medical school curriculum. Academic research careers offer unparalleled intellectual challenges, career flexibility, and job satisfaction. ART debuted in the 2005-2006 academic year in response to critical shortages of academic physicians, and has already attracted some of the University of Rochester School of Medicine and Dentistry’s best and brightest students. Specifically designed to train future leaders in a variety of research fields, ART offers students an opportunity to obtain research training and to investigate a topic of interest in greater depth. In conjunction with other allied funding sources, we anticipate that 5-10 students per year will pursue the ART curriculum; some students will pursue work in additional degree programs. These will provide students with a strong background in medically-oriented research, with the goal of engendering a long-standing interest in academic medicine.



For detailed information, please see our Web site:
www.urmc.rochester.edu/smd/education/art/index.cfm

AN ENRICHED CURRICULUM

The first two years of the Academic Research Track (ART) curriculum occur in parallel with the Double Helix curriculum, consisting of discussion groups (approximately once per month), which allow students to hear from potential mentors on a wide range of topics. In introductory seminars, some of the Medical Center's most distinguished professors will review aspects of their career—from how their interest in research started, to where their research pursuits have taken them—so that students not only glean ideas for future research projects, but also see how others created successful, satisfying careers.

These seminars will cover basic science, translational, clinical, health services and education research. The core of the curriculum in the first two years will be modules encompassing varied aspects of medical research, which are described below. The curriculum has the following general structure:

- During the summer after the first year, students in ART are encouraged to pursue a mentored research project in basic, clinical, educational or translational (“bench to bedside” or “bedside to community”) research. The program faculty will help students find appropriate mentors, but students may also select a mentor and topic independently.



- Later, usually after the second year, students will engage in a year of tuition-free, independent study (a “year out”) to pursue an in-depth research project with their mentor (see Funding). Students may choose to pursue a Master's degree within the URM School of Medicine and Dentistry in such disciplines as Public Health, Clinical Investigation, Translational Research or Neurobiology. Such training may extend beyond one year. Students will present their work at a platform presentation to the medical center community and are encouraged to do the same at national meetings.
- In the final two years of the ART, students will embark on their clinical clerkships, and will complete their research projects by writing a manuscript that could serve either as a submission for publication or as the basis for a presentation at a conference.

CURRICULUM MODULES

The curriculum for the first two years of the ART was conceived as a “liberal arts” approach to medical research. It is intended to serve as preparation for the in-depth research experience itself. In the first year, students will attend three modules, each consisting of two-three seminars:

- Research as a Human Enterprise
- Formulating a Research Question
- Measurements

In the second year, students will attend three additional modules:

- Data Presentation
- Finding the Money
- Writing for Publication

Students must complete a self-study certificate course on Human Subjects Research. All funded students are required to take the Ethics in Research course offered by the Graduate School.

