



UNIVERSITY of  
ROCHESTER



Pre - Med

# Medical Opportunities at Rochester Centers, Facilities, and Special Programs

## Biomedical Engineering

[www.bme.rochester.edu/bmeweb/undergraduate/mission.html](http://www.bme.rochester.edu/bmeweb/undergraduate/mission.html)

From new buildings to new majors, Rochester is dedicated to offering students the most options as they explore medicine. Biomedical Engineering students may further improve medical imaging or create machines for more efficient, safer health care. Opportunities include a five-year B.S./M.S. Program (3/2 Program), internships with engineering firms or research institutions, and the Industry Practicum program.

## Public Health

[www.urmc.rochester.edu/smd](http://www.urmc.rochester.edu/smd)

Rochester's Public Health program will create new science majors such as Epidemiology & Statistics and Environmental Health, new social science majors like Health & Society and Health Policy, and new humanities majors like Bioethics and Medical Humanities.

## Research Opportunities

[www.urmc.rochester.edu/GEBS/summer.htm](http://www.urmc.rochester.edu/GEBS/summer.htm)

Work in medical labs, shadow doctors at Strong Memorial, or work with children at Golisano Children's Hospital...whatever your interests are, the University is committed to meeting your needs when it comes to doing real undergraduate research.

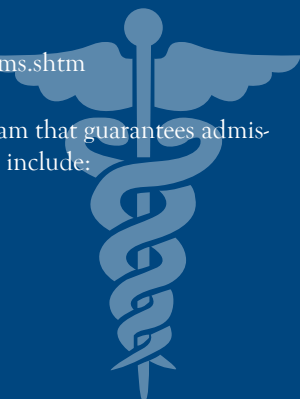
## Rochester Early Medical Scholars (REMS)

[www.enrollment.rochester.edu/admissions/learning/programs.shtm](http://www.enrollment.rochester.edu/admissions/learning/programs.shtm)

REMS is an eight-year combined bachelor's and M.D. program that guarantees admission into the School of Medicine and Dentistry. Advantages include:

- faculty mentors
- seminars, support and social events
- academic freedom
- hands-on experience clinics and lab opportunities
- problem-based learning
- funding for summer research

Admission to REMS is highly selective, with hundreds of applicants vying for approximately ten openings in the program each year. For more information on REMS, visit [www.enrollment.rochester.edu/admissions/learning/programs.shtm](http://www.enrollment.rochester.edu/admissions/learning/programs.shtm).



## **Biology Majors and Beyond**

[www.rochester.edu/College/BIO/UPBM/upbmhome.htm](http://www.rochester.edu/College/BIO/UPBM/upbmhome.htm)

- Biomedical Engineering
- Biochemistry
- Cell & Developmental Biology
- Ecology & Evolutionary Biology
- Microbiology
- Molecular Genetics
- Neuroscience
- Brain & Cognitive Sciences

## **Hospital Volunteer Work**

[www.stronghealth.com/about/fos/volunteer.cfm](http://www.stronghealth.com/about/fos/volunteer.cfm)

Work with patients at Golisano Children's Hospital, sign up for a night shift with the student-led Medical Emergency Response Team (MERT), or join the Charles Drew Pre-health Society which brings together students each year for a conference on the future of medicine.

## **Post-baccalaureate Research Education Program (PREP)**

[www.urmc.rochester.edu/smd/mbi/education/PREP/index.htm](http://www.urmc.rochester.edu/smd/mbi/education/PREP/index.htm)

Rochester's PREP program teams students with professors in an intimate research setting. Run by the Department of Microbiology and Immunology, students also benefit from opportunities within the Departments of Microbial Pathogenesis, Virology, Biochemistry and Biophysics, Environmental Medicine, Neurology, Orthopaedics, Pediatrics, Psychiatry, Surgery, and Oral Biology.



## H. Allen Orr, Ph.D.

Professor H. Allen Orr, University Professor and Shirley Cox Kearns Professor of Biology at the University of Rochester, will be awarded the Darwin-Wallace Medal on February 12, 2009, the 200th birthday of Charles Robert Darwin. The Darwin-Wallace Medal has only been awarded twice in the last century.

Thomas Eickbush, chair of the Department of Biology says, "Allen's research in the process of speciation has always involved a highly impressive combination of theoretical and empirical work. His studies have become classics in our attempts to understand this fundamental component of evolutionary biology."



## Why Rochester?

**Location. Choice. Convenience...**

This is a college town...with over a million people. With a residential campus just minutes from the cultural and entertainment options of downtown Rochester, and the Park Ave and East End neighborhoods, there's always something going on: the world-renowned International Jazz Festival, professional sports teams, movie and dramatic theaters, parks, world-class dining, open-air markets, community events, and on-campus shows and celebrations.

*Places Rated Almanac 2007*  
ranked Rochester one of the  
"Top 10 Places to Live in the U.S."

Best Five-Star Quality of Life Metro among cities  
with populations of more than 1 million  
- *Expansion Management* (June 2007)

In 2006, Rochester was named a  
"New Ivy" by *Newsweek*.



# Summer Medical Opportunities

Only at Rochester.

Undergraduate research doesn't end when summer begins. Dedicate your "down time" to your passion for medical exploration.

Here are a just a few summer research opportunities:

## **DeKiewiet Summer Program**

Provides stipend and housing support for students working in any University laboratory.

## **GEBS Summer Scholars Program**

Ten weeks of biomedical research in any one of over 200 different laboratories at Rochester's Medical Center.

## **Strong Children's Research Center Summer Training**

For students who plan to pursue a medical education and a biomedical research career. A stipend is provided.

## **Summer Fellowship Program in Visual Science**

Up to four months of laboratory training and participation for juniors interested in neurobiological, optical, psychophysical, or computational aspects of vision.

To learn about more information about summer research opportunities, visit [www.urmc.rochester.edu/GEBS/summer.htm](http://www.urmc.rochester.edu/GEBS/summer.htm).

## **Student Profile**

Shailey Desai, '08

REMS

*"My most meaningful extracurricular activity as an undergrad was being a Strong Memorial Hospital volunteer."*

*"Because of the flexibility of the University and the REMS program, I had the opportunity to finish my courses a year early and then take that fourth year to do research. This tremendous learning experience allowed me to fully appreciate science in a real-world context."*



# The College (Arts, Sciences, and Engineering)

Study what you love.



The University of Rochester is one of America's great research universities, and has the College at its heart. The Rochester Curriculum—unique in higher education—has no required subjects. Instead, students build their learning around individual interests and passions. The result is a liberal arts education that reflects students' own choices and priorities. The Rochester Curriculum invites students to study what they love.

Life outside the classroom follows these same principles. In all aspects of campus life—in our 220+ student clubs and organizations, in everything from athletics to cultural groups to debate—we value diversity and social responsibility, nurture educational excellence, and advance students' autonomy.

## Student Profile

David Mener, '08  
REMS

Major: American Sign Language  
Minors: Biology / Psychology

*"I applied to the REMS program because I felt it was not only important for me to pursue my interests as a physician, but also to pursue my academic interests outside of the life sciences. Also, by not having to apply to medical schools or study for the MCAT exams, I have utilized this free time to volunteer in the Rochester community."*



# The School of Medicine and Dentistry

## First. Best.

At the core of the School of Medicine and Dentistry's philosophy and structure is the "Double Helix Curriculum," an integration of cutting-edge, evidence-based medical science with the relationship-centered art of clinical medical practice.

The University of Rochester Medical Center's main campus covers over 4.4 million square feet of space and is divided into the following:

- the Eastman Dental Center
- the School of Medicine and Dentistry
- the School of Nursing
- Strong Memorial Hospital

The School of Medicine and Dentistry's faculty consists of approximately 1,200 full-time faculty members and 650 clinical faculty members, organized into 32 Departments and Centers. Last year, research faculty attracted external funding totaling approximately \$200 million.

To learn more about the School of Medicine and Dentistry, visit [www.urmc.rochester.edu](http://www.urmc.rochester.edu).



# Want to learn more?

Visit: [www.enrollment.rochester.edu/admissions/learning/programs.shtm](http://www.enrollment.rochester.edu/admissions/learning/programs.shtm)



**For additional information about the University of Rochester, please contact:**

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E-mail: [admit@admissions.rochester.edu](mailto:admit@admissions.rochester.edu)

Website: [www.enrollment.rochester.edu/admissions](http://www.enrollment.rochester.edu/admissions)