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Associate Professor, Departments of Neurology and Pediatrics; Associate Chair for Basic Research, Department of Neurology; and faculty member, the Center for Neural Development and Disease.

In addition to directing the Neurology Academic Research Track (*NeuroART*), Dr. Halterman also serves as the University's associate director of the Medical Scientist Training Program (MSTP). He is funded by the National Institutes of Health to study basic mechanisms of stroke, and holds several patents in the areas of gene transfer, drug discovery, and medical informatics. He is board certified in neurology and practices as a neurohospitalist at UR Medicine.

The
MELIORA
CHALLENGE

THE CAMPAIGN for the
UNIVERSITY OF ROCHESTER



Every Minute Counts

Stroke is the fourth leading cause of death in the U.S. and a leading cause of serious long-term disability. Stroke does not discriminate by age. It can affect you whether you are a newborn or a young athlete, and it becomes more common as you age. How your brain is affected—by stroke, heart attack or other events that can interrupt blood flow—depends on where the stroke occurs in your brain and how much tissue is damaged. Through brain injury research at UR Medicine, hope is being uncovered for patients across the nation.

After a stroke, every minute counts. Unlike other organs, the brain is particularly vulnerable to injury and has a limited capacity for self-repair. We must develop better strategies to protect the brain, help it heal, and jump-start the repair process. While new advances in imaging, surgical treatments, and injectable medications are helping us save lives, we can do more to prevent and find better treatments for brain injury.

Through research and collaboration, Dr. Marc Halterman, and his colleagues, are discovering how neurons and other brain cells respond to injury. They are also developing new drugs to protect brain cells in the crucial hours after a stroke, reduce damaging effects, and enhance recovery.

A key to step in making this possible requires providing mentoring opportunities for future physician-scientists in training. Serving as a leader in two of our graduate programs, Dr. Halterman plays a vital role as educator and mentor to the next generation of clinical researchers.

With your support, we can discover new ways to prevent brain injury after stroke, and attract and train leaders in brain injury research to help people in Rochester and across the nation.

Your gift helps us *prevent brain injury from stroke*

While technological advances have improved brain injury outcomes for stroke patients, you can help us do even more. Your gift can help us educate the next generation of clinical neuroscientists, attract and retain leaders in brain injury research, and test new ideas that could one day turn into effective treatments for patients.

Every gift we receive—large and small—is appreciated and will make a difference. The following is an example of areas that could benefit from your generosity.

ENDOWED AND DISTINGUISHED PROFESSORSHIP—\$1,500,000 to \$2,000,000

Professorships honor acclaimed leaders who perform groundbreaking research, mentor junior faculty, and attract and train talented residents and medical students. They are among the most coveted and defining rewards that a faculty member can receive, recognizing and fostering excellence. Your professorship support for leaders in brain injury research will have a lasting effect on the innovative care provided to patients across the nation.

STROKE LABORATORY—\$100,000 to \$1,000,000

Our goal is to create a stroke laboratory to test novel therapies that help scientists prepare competitive applications to grant agencies. These resources would also encourage collaboration both within the institution and with industry, and stimulate a culture of innovation around the development of novel stroke treatments.

NEUROLOGY ACADEMIC RESEARCH TRACK (NEUROART) PROGRAM—\$50,000 to \$500,000

NeuroART is our flexible resident training program that allows trainees to build a cohesive, sustainable research program as they pursue careers in academic neurology. Your support would help fund a variety of didactic, seminar, workshop, and mentoring experiences that are targeted toward, and supportive of, career development in the basic or clinical neurosciences.

PILOT PROJECTS/SEED FUNDS—\$50,000 to \$100,000 (ANNUALLY)

Gifts for seed funding are “risk capital.” They allow scientists to shift the direction of their research to follow promising leads or new ideas, propelling scientific discoveries in new ways. You can help give researchers the time they need to push the boundaries of science and allow innovation ideas to reach their full potential.

Stroke Facts

- *Stroke kills. One American dies from a stroke every four minutes; that's almost 130,000 Americans each year or one out of every 19 deaths.*
- *Stroke incapacitates. It is a leading cause of serious long-term disability.*
- *Stroke is costly. The United States spends an estimated \$36.5 billion each year on stroke. This total includes the cost of health care services, medications to treat stroke, and missed days of work.*

For more information about how your gift can make an impact, please contact Marc Misiurewicz at: (585) 276-3595 · marc.misiurewicz@rochester.edu



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