



THE FUTURE
IS HAPPENING
HERE AND NOW

CENTER *for* SPACE MEDICINE
BAYLOR COLLEGE OF MEDICINE

What is Center for Space Medicine?

The Center for Space Medicine (CSM) is an academic unit within Baylor College of Medicine (BCM) focused on research, medicine, and education to support human space exploration and enhance health and medical care on Earth. It is a one-of-a-kind center of excellence where students, fellows and faculty work together to discover, educate and push new frontiers of knowledge and technology. CSM has a strategic partnership with the National Space Biomedical Research Institute (NSBRI), which is the leading biomedical science institute of NASA. Together, CSM and NSBRI provide unprecedented, interdisciplinary resources for the nation and its leadership role among the space-faring nations of the world.

Alex Garbino Pronczuk, M.D./Ph.D. student and member of the Center for Space Medicine, working on his doctoral research in cardiovascular physiology.



Mission and Vision

The Center for Space Medicine's mission is to be a world academic leader in space biomedical research and education and to translate the advances gained in knowledge and technology from space to benefit life on Earth. CSM creates an opportunity for BCM to become a leader in the international space medicine community and to excel in enhancing the nation's human exploration of space and medicine for the future.

Christian Otto, M.D., emergency and Antarctic physician, and member of the Center for Space Medicine, conducting a remote diagnostic procedure during his successful summit of Mount Everest.



Why Go Down the Path of CSM?

Getting involved with the Center for Space Medicine means being part of a world-class academic program at the frontier of medicine. CSM allows students a rare opportunity to pioneer a program that is contributing new discoveries in space biomedical science, technology and medicine, and also encourages students to make their own mark in the world of medicine.

CSM is evolving into a national center of excellence. It is a hub for students, scientists, engineers and physicians to collaborate and contribute to important new discoveries in biomedical science and apply technologies for space to improve medical care on Earth. The program has a distinguished faculty, including scientific leaders, former astronauts and flight surgeons, that all have years of experience and knowledge in their respective fields. Students not only learn from this diverse group of experts, but also work closely with them on projects at the cutting edge of medical research.

Baylor College of Medicine medical students attending a Center for Space Medicine Lecture.



The Place for Space Medicine

The Center for Space Medicine and Baylor College of Medicine are located in Houston in the heart of the Texas Medical Center, the largest medical center in the world. Outstanding medical and academic institutions, including NSBRI and Rice University, are affiliated with CSM and have close geographical proximity to NASA Johnson Space Center. Collaborations with CSM are diverse, interactive, productive and exciting. Houston is the fourth largest city in the U.S. and has a strong biotechnology community and entrepreneurial spirit. This is the place where medicine and space intersect.

www.bcm.edu/spacemed

Leroy Chiao, Ph.D., veteran astronaut, former commander of the International Space Station and member of the Center for Space Medicine, performing an ultrasound exam in space on Cosmonaut Salizhan Sharipov. Photo courtesy of NASA.



Why Contribute?

By donating to the Center for Space Medicine, you play an important role in helping to apply advances developed for space to enhance health and medical care on Earth. You also participate in an exciting multidisciplinary endeavor that inspires the imagination and promotes excellence and training of the next generation of scientists, engineers, physicians and educators. The implications are broad and your support fosters unique and innovative discoveries that impact science, technology, health and medical care on Earth and beyond.

If you would like to make a tax-deductible gift to the Center for Space Medicine at Baylor College of Medicine or need more information about how to give, please contact Baylor College of Medicine's Office of Institutional Advancement at 713-798-4714. To donate online, go to <http://www.bcm.edu>

*Alkek Fountain in front of the
The Roy and Lillie Cullen Building,
Baylor College of Medicine.*



We're Right on Track

The Center for Space Medicine is developing a Space Medicine Track at Baylor College of Medicine. The Space Medicine Track will offer students electives throughout their medical school training, and will be the first track of its kind in the country. Graduate students, postdoctoral fellows, residents, clinical fellows, and allied health professional students are also welcome to participate.

Current course electives include: (210-610) *Introduction to Human Space Exploration and Medicine* and (210-611) *Topics in Human Space Exploration and Medicine*. Individualized electives for senior medical students are also available.

The International Space Station (ISS) is an unprecedented collaborative space habitat and laboratory that orbits the Earth 16 times per day at 17,500 miles per hour. International crew members construct and maintain the ISS, and perform scientific research spanning many disciplines, including space medicine. Photo courtesy of NASA.





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