

American College of Sports Medicine 2023 Honor Award

Presented to

Michael J. Joyner,
M.D., FACSM

Michael J. Joyner, M.D., FACSM, is the Frank R. and Shari Caywood Professor of Anesthesiology and departmental vice chair for research at the Mayo Clinic in Rochester, Minnesota, where he has worked variously on topics ranging from human performance and autonomic control of the cardiovascular and respiratory systems to the use of convalescent plasma to treat COVID-19 patients. He is particularly well known in running circles for his 1991 physiological model predicting and describing the mechanisms behind a sub two-hour marathon time. He became an ACSM fellow in 1990.

Dr. Joyner earned both a Bachelor of Science and an M.D. from the University of Arizona, managing to, between degrees, squeeze in a summer working with and as a subject for Dr. John Holloszy at Washington University studying the effects of athletic detraining. He completed a combined anesthesia residency and postdoctoral fellowship at the Mayo Clinic and has remained there to the present day.

Over the course of his fruitful career, Dr. Joyner has produced more than 500 indexed publications with a Google Scholar h-index of more than 100, garnered over 39,000 citations and has received in excess of \$50M in funding from the National Institutes of Health, the American Heart Association, BARDA and the U.S Army. In total, the large institutional grants for which he has served as a co-principal investigator have brought more than \$100M to Mayo. Dr. Joyner has also served the NIH in its grant-reviewing process and has likewise reviewed grant applications for the Department of Defense, NASA and the Veteran's Administration, among many other roles of distinction.

At the outset of the COVID-19 pandemic, Dr. Joyner marshalled the expertise of his many colleagues and contacts to lead the U.S. Expanded Access Program for Convalescent Plasma, which administered blood plasma from individuals who had recovered from COVID-19 to patients with acute infection. To date, the program has treated more than 90,000 Americans.

Dr. Joyner's awards are extensive. Among many others, he has earned the Lammport Award for Contributions to Cardiovascular Physiology from the American Physiological Society (APS; 1993), the Bodil M. Schmidt-Nielson Distinguished Mentor & Scientist Award (2014) and an honorary doctorate from McMaster University (2019). Unexclusively, he has presented the APS's esteemed Edward F. Adolph Distinguished Lecture (2011), the Walter B. Cannon Award Lecture (2013) and was selected for the University of Amsterdam's Spinoza Lecture Tour (2007).

According to nominators Timothy I. Musch, Ph.D., FACSM and David C. Poole, Ph.D., FACSM, "Since Dr. Joyner attended his first ACSM meeting four decades ago, he has helped establish and solidify ACSM as a world leader in exercise and physiological science and medicine. I respectfully submit that it is loyal, ethical and supremely gifted individuals such as exemplified by Dr. Joyner that have helped make our organization what it is today."

ACSM is proud to present Dr. Joyner with its 2023 Honor Award.



Anastasia Fischer, M.D., FACSM
President



Irene S. Davis, Ph.D., PT, FACSM
Chair, Awards and Tributes Committee;
President-elect