Mayo Clinic

Rochester, MN

Research Faculty Position in Biomechanical Engineering-Orthopedic Surgery

With a 73,000-person workforce, Mayo Clinic cares for more than 1.4 million people each year with serious or complex illnesses from all 50 U.S. states and 140 countries. Mayo Clinic is the largest not-for-profit, multidisciplinary academic medical center in the world with over 4,000 physicians and scientists in an integrated multi-campus system spanning the globe. The unified mission at Mayo Clinic is to provide the best patient care, backed by our expertise and supported by innovation in education, research and practice, to bring hope and healing in times of need. We embrace collegial relationships among campuses (Arizona, Florida and Minnesota) allowing for best practices and innovation to help solve the most serious complex medical challenges-one patient at a time.

We support a vibrant and diverse research enterprise, with programs in basic, translational, clinical, population, and data sciences. In 2024, the institution received over $754 million in extramural research awards, supplemented with over $517 million of institutional support. Laboratories and shared resource facilities are state-of-the-art, including those for biomolecular analysis, molecular development, data analytics, specimen processing, and structural testing and imaging. Mayo Clinic supports innovation and has a wealth of resources available – including an integrated health record and collaboration with top specialists. The highly competitive compensation package includes substantial long-term institutional and departmental support for salary, personnel, equipment, and travel as well as a competitive startup package all designed to ensure immediate and continued success. Additional benefits for faculty at Mayo Clinic include intramural funding opportunities for research and innovation.

Scientists and physicians at Mayo Clinic in Minnesota conduct innovative research across the spectrum of medicine, translating their discoveries into new treatments that benefit patients. From basic science studies to clinical trials and beyond, researchers in laboratories, centers and programs collaborate to find answers to medicine's most difficult questions. Knowing that this teamwork improves and speeds discovery, researchers collaborate with fellow scientists nationally and internationally as they mentor the next generation of researchers.

Mayo Clinic is located in the heart of downtown Rochester, Minnesota, a dynamic city just 75 minutes south of the Twin Cities of Minneapolis and St. Paul. The city is consistently ranked among the best places to live in the United States because of its affordable cost of living, healthy lifestyle, excellent school systems and exceptionally high quality of life. Rochester is changing to become the world's premier destination medical center as new buildings fill the skyline that pave the way for initiatives that are unleashing fresh possibilities and make the city a fantastic place to learn, live and play. Distinguished by its culture of caring, spirit of innovation, and fascinating history, Rochester is renowned for its scenic beauty, relaxing pace, and abundant dining, shopping, and entertainment options.

The Department of Orthopedic Surgery in Rochester, MN is seeking an outstanding scientist with expertise in biomechanical engineering with emphasis on musculoskeletal applications within orthopedic surgery.

Expectations for the successful scientist include leadership of a nationally recognized independent

musculoskeletal research laboratory. The ideal candidate will engage directly with numerous clinicians and scientists within the Department of Orthopedic Surgery, Department of Physiology & Biomedical Engineering, and with other investigators in relevant research centers and departments across Mayo Clinic. The successful candidate will also participate in Department-led research educational and training programs, including an NIH-funded musculoskeletal research training program, and may have a track record of entrepreneurship and technology commercialization.

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