

Interdisciplinary Center for Musculoskeletal Training and Research (ICMTR)



Address:

PO Box 112727
Gainesville, FL 32611

For Information:

352-273-7073

Fax:

352-273-7388

Location Information

Overview

Director: [Thomas Wright, MD](#); Frank P. Glowczewskie Professor of Hand, [Upper Extremity and Microsurgery](#), Hand Division, Department of Orthopaedics and Rehabilitation

Mission

The mission of the Interdisciplinary Center for Musculoskeletal Training and Research (ICMTR) is to promote education and research in the orthopaedic sciences. The goal of the ICMTR is to encourage the interaction of scientists and clinicians regardless of department or college.

Center Involvement

The ICMTR currently is involved with research and education with the Colleges of Medicine, Dentistry, Health and Human Performance, Health Professions, Veterinary Medicine and Engineering. Additionally, Departments within the College of Medicine that are actively involved with this Center include: Orthopaedics and Rehabilitation, Molecular Genetics and Microbiology, Neuroscience, OB-Gyn, Radiology, Anesthesiology, Radiation Therapy, Pediatrics, Surgery, Pathology and Medicine.

Interdisciplinary Center for Musculoskeletal Training and Research (ICMTR)

Published on Department of Orthopaedics and Rehabilitation » College of Medicine » University of Florida (<https://www.ortho.ufl.edu>)

The ICMTR Core Faculty are involved with education of faculty, residents and fellows of these Departments as well as undergraduate and graduate students in the areas of Rheumatology, Pediatrics, Radiation Therapy, Family Medicine, Physical Therapy, Nursing, Athletic Training, and Physician Assistants. Core Faculty in the Center are actively involved with introducing biomedical engineering students to clinical orthopaedic issues. On the community level the Center has promoted education including: (1) physicians in the field covering local athletic events, (2) faculty involved with the Gainesville Sports Organization Committee and (3) talks given to the Alachua Medical Society.

The ICMTR has also initiated an Orthopaedic Grand Rounds series entitled "Clinical Problems - Basic Science Solutions" in an effort to promote interaction between clinicians and basic scientists. Core Faculty and staff host an internationally attended biannual course held locally on musculoskeletal pathology. This course draws physicians, residents and fellows from across North America. ICMTR Core Faculty and staff put on an annual [Hand Camp](#) for children with congenital hand problems.

Recent Research Initiatives Supported by the Center

Project

Advances in Skeletal Dosimetry thru Microimaging

PI / Co-I

Bolch (College of Engineering) / [Myers](#) (College of Medicine)

Recent Research Projects That Have Supported the Center

Project

Advances in Skeletal Dosimetry thru Microimaging

PI / Co-I

Bolch / [Myers](#)

Gene Delivery to Osteochondral Defects via Marrow Coagulates

[Ghivizzani](#)

Persistence of Transgene Expression in Synovium

[Ghivizzani](#)

Mechanical Evaluation of Achilles Tendons

[Horodyski](#)

Cervical Spinal Instability

Evaluation of Biocleanse Patellar Tendon Allografts

Indelicato

Mechanisms of Muscle Dysfunction and Recovery After Limb Disuse

[Scarborough](#)

Functional Outcomes After Shoulder Arthroplasty

[Wright](#)

Distal Radius Fracture: Open Reduction Internal Fixation

[Wright](#)



Researchers

[Steve Ghivizzani, Ph.D.](#)

Gene Therapy Laboratory, Research



[MaryBeth Horodyski, Ed.D., ATC, LAT, FNATA](#)

Research

Interdisciplinary Center for Musculoskeletal Training and Research (ICMTR)

Published on Department of Orthopaedics and Rehabilitation » College of Medicine » University of Florida (<https://www.ortho.ufl.edu>)



[Thomas W. Wright, M.D.](#)

Hand and Upper Extremity

Source URL: <https://www.ortho.ufl.edu/icmtr>