

# Orthopedics and Rehabilitation

## Chair

J. Lawrence Marsh

**Graduate degree:** MS in athletic training

**Faculty:** <https://orthopedics.medicine.uiowa.edu/profile/our-leadership>

**Website:** <https://orthopedics.medicine.uiowa.edu/>

## Facilities

The Department of Orthopedics and Rehabilitation is housed in the John Pappajohn Pavilion of University of Iowa Health Care and has an active service in the VA Iowa City Health Care. The department's facilities include 48 orthopedic beds, 10 outpatient clinics, inpatient and outpatient operating rooms, a specialty library, a specialty radiology unit, and physical therapy and rehabilitation facilities. Its specialty clinics deal with virtually every orthopedic disorder known, including, but not limited to scoliosis, club feet, congenital dislocated hip, neuromuscular disease, metabolic disease, amputation, neoplasm, trauma, and neck, back, hip, foot, knee, and hand problems. Physicians in the outpatient clinic see approximately 280 patients per day and over 70,000 patients per year. Approximately 7,000 surgeries are performed each year.

The department's Sports Medicine Clinic provides MRI, X-ray, and physical therapy services, and a full range of nonoperative orthopedic ambulatory care services.

## Laboratories

The orthopedics laboratories deal with problems in these major subject areas.

### Biochemistry

The biochemistry of proteoglycans, collagens, and matrix proteins, both normal and altered in musculoskeletal disorders.

### Biomechanics

Problems of the upper extremity; biomechanics of the spine, hip, and gait; total joint replacements (in conjunction with the College of Engineering).

### Bone Healing

Provides research toward better ways to heal bones.

### Cell and Molecular Biology

Studies of normal bone, cartilage, tendon, muscle, and tissues altered by experiment and disease.