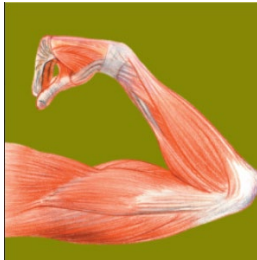


# DOD Orthopaedic Research Program Stakeholders Meeting



**Charles H. Washabaugh, Ph.D.**  
**Orthopaedic Research Program Director**  
**September 27, 2021**



National Institute of  
Arthritis and Musculoskeletal  
and Skin Diseases

# Mission

**The NIAMS mission is to support research into the causes, treatment, and prevention of arthritis and musculoskeletal and skin diseases; training of basic and clinical scientists to carry out this research; and dissemination of information on research progress in these diseases**

**Annual budget for FY2021 = \$568M**

**Proposed budget for FY2022 = \$680M**



# Areas of NIAMS Mission Relevance

NIAMS rarely sets priorities and is primarily an investigator-initiated institute with a focus on these Mission areas:

- **Arthritis and Rheumatic Diseases**
  - AMP/AIM
- **Skin Biology and Diseases**
- **Bone Biology and Diseases**
- **Joint Biology and Diseases and Orthopaedics**
  - BACPAC consortium (HEAL Initiative)
- **Muscle Biology and Diseases**

# Joint Biology, Diseases and Orthopaedics Team

3 A - Clinical Research and Diagnostic Tools for Osteoarthritis

**3 B - Orthopaedics Research Program**

3 C - Musculoskeletal, Tissue Engineering, and Regenerative Medicine Program

3 D - Cartilage and Connective Tissue Program

3 E - SBIR/STTR and T32

# Orthopaedic Research Program

- **Contains approximately 182 active awards (\$67M)**
- **Clinical, epidemiological and outcomes research in Orthopaedics and musculoskeletal rehabilitation**
- **Clinical and basic Orthopaedic device and joint replacement studies**
- **Preclinical testing and development of devices/implants**
- **Implant wear and osteolysis studies**
- **Clinical and basic studies in sports medicine and fitness**
- **Musculoskeletal biomechanics**
- **Trauma, fracture and joint infection**
- **Spine, low back pain and musculoskeletal pain**

# Interactions/Outreach

- Quarterly meetings with PROPF (Dr. Roach)
- Outreach to many professional societies (AAOS, ORS, AOSSM, PRISM, APTA and others)

