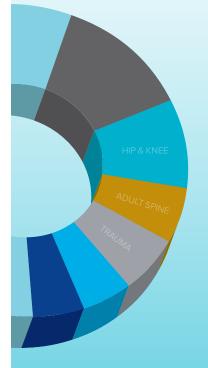
## SUPPORT THE 2023 OREF ANNUAL CAMPAIGN

Please support the 2023 OREF Annual Campaign and help keep the research pipeline full. Our ability to offer better treatment options tomorrow is dependent on the research funded today. To make your gift today, visit oref.org/annual to make a secure online donation, or mail this form in the envelope provided.

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Donors to the Annual Campaign have the option of making an additional gift to an OREF partner organization (go to **oref.org/op** for a complete list). Donors contributing a total of \$1,000 or more with at least \$500 to OREF will be recognized as Order of Merit donors. Donors contributing at least \$1,000 to OREF will be recognized as Sustaining Order of Merit donors. For gifts under \$1,000, a maximum of 50% of your total gift may be designated to a partner organization.

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## OREFIT ANNUAL CAMPAIGN 20 23

Making an impact on clinical practice and patient outcomes

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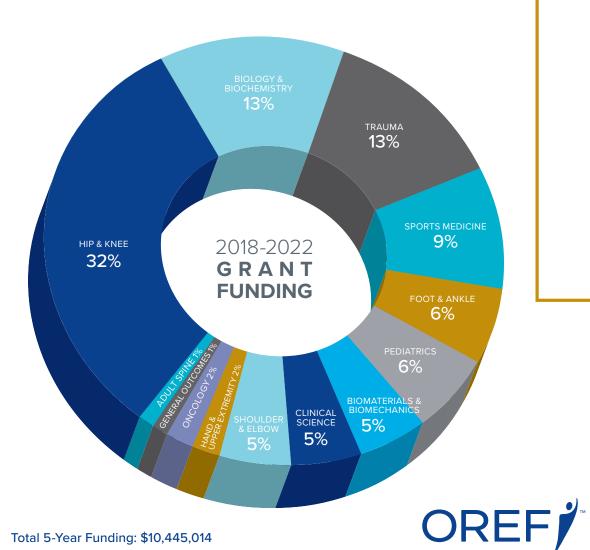








ON ORTHOPAEDIC PRACTICE



HISTORICAL

OREF strives to improve clinical care and patient outcomes by advancing innovative research, developing new investigators, and uniting the orthopaedic community in promoting musculoskeletal health.

OREF has funded some of the most important research in orthopaedics, including

1957

1967

1978

1981

Marc F.

Swiontkowski, MD

femoral neck fracture

1989

2004

William F. Enneking, MD

Established principles for modern bone banks through study of histological and immunological factors in homogenous bone transplants

Marshall R. Urist, MD

The effect of irradiation of bone matrix upon bone induction by bone implants

Joseph M. Lane, MD

Endochondral ossification grafts for osseous defects

Barbara D. Boyan, PhD

The effect of the muscle-Role of vitamin D pedicle-bone-graft on in endochondral the incidence of late development seamental collapse of the femoral head following displaced

John C. Clohisy, MD

The molecular role of RANKL in implant particle-induced osteolysis

CURRENT

Since 1955, OREF has funded nearly \$150 million in grants and awards. Our active grant portfolio totals 93 research grants with a value of \$8.6 million.

2021

2021

2021

2022

2022

Epigenetic

regulation of key

molecular players

in the progression of hip OA

2022

Chelsea Bahney, PhD

Understanding contribution of senescent cells to rate of fracture repair

Victor H. Hernandez, MD

Glucose variability and TJA: continuous glucose monitoring using Dexcom G6

Brian Lau, MD Quantitative MRI

of glenohumeral cartilage & labrum in shoulder instability

Kvle Duchman, MD PRP for osteoarthritis.

role of exosomes in effectiveness

Clinical Research Gaps Grant Recipient

Cecilia Pascual-Scott Rodeo, MD Garrido, MD, PhD Modulatina

pro-fibrotic signaling after ligamentous knee injury

OREF/AAOS