# Resource Summary Report

Generated by NIF on Sep 5, 2026

## Musculoskeletal Knowledge Portal

RRID:SCR_023171
Type: Tool

### Proper Citation

Musculoskeletal Knowledge Portal (RRID:SCR_023171)

### Resource Information

**URL:** https://mskkp.org/

**Proper Citation:** Musculoskeletal Knowledge Portal (RRID:SCR_023171)

**Description:** Portal enables browsing, searching, and analysis of human genetic and genomic information linked to musculoskeletal traits and diseases, while protecting the integrity and confidentiality of underlying data.

**Abbreviations:** MSK-KP

**Resource Type:** data or information resource, disease-related portal, portal, topical portal

**Defining Citation:** PMID:34686856

**Keywords:** genomic data mining, human genetic data, genomic information, musculoskeletal traits and diseases data, DRKB

**Related Condition:** musculoskeletal disease

**Funding:** NIH AR085003

**Availability:** Free, Freely available

**Resource Name:** Musculoskeletal Knowledge Portal

**Resource ID:** SCR_023171

**Alternate URLs:** https://msk.hugeamp.org/

**Record Creation Time:** 20230125T050203+0000

**Record Last Update:** 20260903T235901+0000

### Ratings and Alerts

No rating or validation information has been found for Musculoskeletal Knowledge Portal.

No alerts have been found for Musculoskeletal Knowledge Portal.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 26 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF .


Ikedo A, et al. (2026) Estrogen signaling in PDGFR?+ cells positively regulates cortical bone metabolism via IGFBP5 in female mice. JBMR plus, 10(1), ziaf178.

Pan Y, et al. (2025) Genetic Biomarkers and Circulating White Blood Cells in Osteoarthritis: A Bioinformatics and Mendelian Randomization Analysis. Biomedicines, 13(1).

Xiao Q, et al. (2025) The causal impact of smoking behavior on osteoarthritis: a Mendelian randomization analysis. Frontiers in public health, 13, 1437443.

Mäkitie O, et al. (2025) A de novo PRPF8 Pathogenic Variant in Transient Severe Hypophosphatemia with Delayed Puberty and Growth Failure. Hormone research in paediatrics, 98(6), 677.

Zhang X, et al. (2025) Multi-ancestry whole genome sequencing analysis of lean body mass. Genome biology, 26(1), 106.

Shi W, et al. (2025) Polyunsaturated fatty acids may not be helpful for people with osteoarthritis: a two-sample Mendelian randomization analysis. Scientific reports, 15(1), 6065.

Lin S, et al. (2025) The Causal Effects Between Circulating Inflammatory Proteins and Osteoarthritis: A Mendelian Randomization and Transcriptomic Analysis. Journal of pain research, 18, 3383.

Kramer NE, et al. (2025) Response eQTLs, chromatin accessibility, and 3D chromatin structure in chondrocytes provide mechanistic insight into osteoarthritis risk. Cell genomics, 5(1), 100738.

Byun S, et al. (2025) Response splicing quantitative trait loci in primary human chondrocytes identify putative osteoarthritis risk genes. Nature communications, 16(1), 7932.

Lemée MV, et al. (2025) Disrupted transcriptional networks regulated by CHD1L during neurodevelopment underlie the mirrored neuroanatomical and growth phenotypes of the 1q21.1 copy number variant. Nucleic acids research, 53(18).

Wilson SG, et al. (2025) Genome topology analysis and transcriptomics of human osteoclasts reveals enhancer-promoter interactions at loci for bone traits and diseases. JBMR plus, 9(10), ziaf120.

Koponen L, et al. (2025) A deep intronic PHEX variant associated with X-linked hypophosphatemia in a Finnish family. JBMR plus, 9(2), ziae169.

Schembri M, et al. (2024) Identification of osteoporosis genes using family studies. Frontiers in endocrinology, 15, 1455689.

Pan X, et al. (2024) The association between IGF-1 levels and four types of osteoarthritis: a bidirectional and two-step mendelian randomization study. Frontiers in genetics, 15, 1366138.

Katsoula G, et al. (2024) Primary cartilage transcriptional signatures reflect cell-type-specific molecular pathways underpinning osteoarthritis. American journal of human genetics, 111(12), 2735.

McDonnell E, et al. (2024) The methylomic landscape of human articular cartilage development contains epigenetic signatures of osteoarthritis risk. American journal of human genetics, 111(12), 2756.

Byun S, et al. (2024) Response splicing QTLs in primary human chondrocytes identifies putative osteoarthritis risk genes. bioRxiv : the preprint server for biology.

Kramer NE, et al. (2024) Response eQTLs, chromatin accessibility, and 3D chromatin structure in chondrocytes provide mechanistic insight into osteoarthritis risk. bioRxiv : the preprint server for biology.

De Gasperi R, et al. (2024) Septin 7 interacts with Numb to preserve sarcomere structural organization and muscle contractile function. eLife, 12.

Jiang H, et al. (2024) Novel insights into the association between genetically proxied inhibition of proprotein convertase subtilisin/kexin type 9 and risk of sarcopenia. Journal of cachexia, sarcopenia and muscle, 15(6), 2417.