

Resource Summary Report

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Musculoskeletal Knowledge Portal

RRID:SCR_023171

Type: Tool

Proper Citation

Musculoskeletal Knowledge Portal (RRID:SCR_023171)

Resource Information

URL: <https://mskcp.org/>

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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: topical portal, data or information resource, portal, disease-related 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: 20260804T043808+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 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

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.

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

M??kitie 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.

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.

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

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

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.

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.

Kreitmaier P, et al. (2024) Epigenomic profiling of the infrapatellar fat pad in osteoarthritis. *Human molecular genetics*, 33(6), 501.

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.

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

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*.

Mullin BH, et al. (2023) Bone Trans-omics: Integrating Omics to Unveil Mechanistic Molecular Networks Regulating Bone Biology and Disease. *Current osteoporosis reports*, 21(5), 493.

Nethander M, et al. (2023) An atlas of genetic determinants of forearm fracture. *Nature genetics*, 55(11), 1820.

Hassan N, et al. (2023) Rare and Common Variants in GALNT3 May Affect Bone Mass Independently of Phosphate Metabolism. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 38(5), 678.