Resource Summary Report

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Kidney Precision Medicine Project

RRID:SCR_016920
Type: Tool

Proper Citation

Kidney Precision Medicine Project (RRID:SCR_016920)

Resource Information

URL: https://kpmp.org

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Description: Project to ethically obtain and evaluate human kidney biopsies from participants with Acute Kidney Injury (AKI) or Chronic Kidney Disease (CKD), create a kidney tissue atlas, define disease subgroups, and identify critical cells, pathways, and targets for novel therapies. Used to develop the next generation of software tools to visualize and understand the various components of kidney diseases and to optimize data collection. Multi site collaboration comprised of patients, clinicians, and investigators from across the United States.

Abbreviations: KPMP

Synonyms: Kidney Precision Medicine Project, The Kidney Precision Medicine Project

Resource Type: availability annotation standard, consortium, data or information resource, disease-related portal, narrative resource, nif annotation standard, organization portal, portal, project portal, standard specification, the community can contribute to this resource, topical portal

Keywords: ethically, obtain, evaluate, human, kidney, biopsy, collaboration, patient, clinician, researcher, acute, injury, chronic, disease, tissue, atlas, cell, pathway, target, novel, therapy, data, collection

Related Condition: Acute Kidney Injury, Chronic Kidney Disease

Funding: NIDDK

Availability: Open resource for academics, industry, and the broader scientific community

Resource Name: Kidney Precision Medicine Project

Resource ID: SCR_016920

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260903T235417+0000

Ratings and Alerts

No rating or validation information has been found for Kidney Precision Medicine Project.

No alerts have been found for Kidney Precision Medicine Project.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 72 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Ju W, et al. (2026) Urinary clusterin as a biomarker of human kidney disease progression and response to the endothelin receptor antagonist atrasentan: An exploratory analysis from the SONAR trial. Nature communications, 17(1).

Jiang G, et al. (2026) HNF4A P2 isoform alleviates kidney fibrosis by inhibiting dedifferentiation of proximal tubular cells through JAG1/NOTCH signaling. Cellular & molecular biology letters, 31(1).

Silva MMB, et al. (2026) StainStyleSampler: clustering-based sampling of whole slide image appearances. Diagnostic pathology, 21(1).

Sharma A, et al. (2026) AID-FGS: Artificial intelligence-enabled diagnosis of female genital schistosomiasis: Preliminary findings. PLOS digital health, 5(2), e0001255.

Hu M, et al. (2026) ERR?-NOS2-mediated citrulline metabolism attenuates tubular epithelial cell senescence in diabetic kidney disease. Redox biology, 90, 104065.

Süß LM, et al. (2026) Inhibition of (interstitial) P2Y6 receptors attenuates fibrosis progression. Research square.

Chatterjee T, et al. (2026) Macrophage ferritin heavy chain/?-synuclein regulatory axis modulates ferroptosis during kidney injury. JCI insight, 11(8).

Jang DH, et al. (2026) Transcriptional Profiling at Single-Cell Resolution Reveals Diversity and Regulatory Networks of Primary and Secondary Senescent Cells. Aging cell, 25(5), e70540.

Süß LM, et al. (2026) Inhibition of (interstitial) P2Y6 receptors attenuates fibrosis progression. Pflugers Archiv : European journal of physiology, 478(7).

Süß LM, et al. (2026) Inhibition of (interstitial) P2Y6 receptors attenuates renal fibrosis progression. bioRxiv : the preprint server for biology.

Firmke B, et al. (2026) Localization of O??sensing ADO?RGS pathway components in mouse and human kidneys under normoxia, hypoxia and renal fibrosis. Pflugers Archiv : European journal of physiology, 478(7).

Ishizawa K, et al. (2026) Piezo1 dictates K+ homeostasis through coordinated regulation of the ubiquitin ligase Kelch-like 3 in RBCs and the kidney. Proceedings of the National Academy of Sciences of the United States of America, 123(3), e2513222123.

Levine SR, et al. (2025) Report of the 2023 Mary Tyler Moore Vision Initiative Workshop. Translational vision science & technology, 14(7), 11.

Matsui I, et al. (2025) Domain-adaptive semi-supervised learning for efficient rare pathological lesion detection with minimal annotation. NPJ digital medicine, 8(1), 778.

Sharma A, et al. (2025) Integrating intramuscular fat radiomics with hamstrings-to-quadriceps structure and function ratios to predict future hamstring strain injury. PLOS digital health, 4(12), e0001144.

Saade MC, et al. (2025) Quinolinic acid metabolism may mitigate AKI to CKD transition. bioRxiv : the preprint server for biology.

Sun Y, et al. (2025) UHRF1 promotes calcium oxalate-induced renal fibrosis by renal lipid deposition via bridging AMPK dephosphorylation. Cell biology and toxicology, 41(1), 39.

Lim H, et al. (2025) Developmental Hypoxia Enhances Kidney Organoid Complexity and Maturity. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(40), e01661.

Scherpinski LA, et al. (2025) Role of Transport Proteins for the Renal Handling of L-Arginine and Related Derivatives. International journal of molecular sciences, 26(16).

Nanamatsu A, et al. (2025) Refining the Composition and Significance of Human Renal Intratubular Casts Using Spatial Protein Imaging. medRxiv : the preprint server for health sciences.