# **Resource Summary Report**

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## **HuBMAP Data Portal**

RRID:SCR\_021703

Type: Tool

# **Proper Citation**

HuBMAP Data Portal (RRID:SCR\_021703)

### **Resource Information**

URL: https://portal.hubmapconsortium.org/

Proper Citation: HuBMAP Data Portal (RRID:SCR\_021703)

**Description:** Data portal as part of Human BioMolecular Atlas Program. Data available on HuBMAP Portal is open access data to be used for research of human biology. Certain data types with potential for re-identification are available in restricted access either directly through this portal by login-dependent permissions or through dbGAP. All data users are expected to respect privacy and confidentiality of donors who provided samples. Data are not to be used to re-identify donors or their family members without further approval from HuBMAP. Data for single-cell, three-dimensional maps of various human tissues. Data include discrete, complex organs (kidney, ureter, bladder, lung, breast, small intestine and colon); distributed organ systems (vasculature); systems comprising dynamic or motile cell types with distinct microenvironments (lymphatic organs: spleen, thymus, and lymph nodes).

Resource Type: portal, data or information resource

Defining Citation: DOI:s41586-019-1629-x

**Keywords:** single-cell, three-dimensional maps, human tissues, open access data for

human biology research

**Funding:** 

Availability: Free, Freely available

Resource Name: HuBMAP Data Portal

Resource ID: SCR\_021703

**Record Creation Time:** 20220129T080357+0000

**Record Last Update:** 20250522T061317+0000

### Ratings and Alerts

No rating or validation information has been found for HuBMAP Data Portal.

No alerts have been found for HuBMAP Data Portal.

#### Data and Source Information

Source: SciCrunch Registry

### **Usage and Citation Metrics**

We found 29 mentions in open access literature.

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

Dos Santos Peixoto R, et al. (2025) Characterizing cell-type spatial relationships across length scales in spatially resolved omics data. Nature communications, 16(1), 350.

Bueckle A, et al. (2025) Construction, Deployment, and Usage of the Human Reference Atlas Knowledge Graph for Linked Open Data. bioRxiv: the preprint server for biology.

Hou C, et al. (2024) HuBMAPR: an R Client for the HuBMAP Data Portal. bioRxiv: the preprint server for biology.

Chen H, et al. (2024) 3DCellComposer - A Versatile Pipeline Utilizing 2D Cell Segmentation Methods for 3D Cell Segmentation. bioRxiv: the preprint server for biology.

Wen X, et al. (2024) Single-cell multiplex chromatin and RNA interactions in ageing human brain. Nature, 628(8008), 648.

Dos Santos Peixoto R, et al. (2024) Characterizing cell-type spatial relationships across length scales in spatially resolved omics data. bioRxiv: the preprint server for biology.

Read DF, et al. (2024) Single-cell analysis of chromatin and expression reveals age- and sex-associated alterations in the human heart. Communications biology, 7(1), 1052.

Border S, et al. (2024) FUSION: A web-based application for in-depth exploration of multiomics data with brightfield histology. bioRxiv: the preprint server for biology. Barnett SN, et al. (2024) An organotypic atlas of human vascular cells. Nature medicine, 30(12), 3468.

Chen H, et al. (2024) CytoSpatio: Learning cell type spatial relationships using multirange, multitype point process models. bioRxiv: the preprint server for biology.

Kong Y, et al. (2024) Publication, funding, and experimental data in support of Human Reference Atlas construction and usage. Scientific data, 11(1), 574.

Sun H, et al. (2024) Expanding the coverage of spatial proteomics: a machine learning approach. Bioinformatics (Oxford, England), 40(2).

Börner K, et al. (2024) Human BioMolecular Atlas Program (HuBMAP): 3D Human Reference Atlas Construction and Usage. bioRxiv: the preprint server for biology.

Bueckle A, et al. (2023) The HRA Organ Gallery Affords Immersive Superpowers for Building and Exploring the Human Reference Atlas with Virtual Reality. bioRxiv: the preprint server for biology.

Song Q, et al. (2023) Using single cell atlas data to reconstruct regulatory networks. Nucleic acids research, 51(7), e38.

Herr BW, et al. (2023) Specimen, biological structure, and spatial ontologies in support of a Human Reference Atlas. Scientific data, 10(1), 171.

Canela VH, et al. (2023) A spatially anchored transcriptomic atlas of the human kidney papilla identifies significant immune injury in patients with stone disease. Nature communications, 14(1), 4140.

Hickey JW, et al. (2023) Organization of the human intestine at single-cell resolution. Nature, 619(7970), 572.

Chen H, et al. (2023) Evaluation of cell segmentation methods without reference segmentations. Molecular biology of the cell, 34(6), ar50.

Lake BB, et al. (2023) An atlas of healthy and injured cell states and niches in the human kidney. Nature, 619(7970), 585.