Exemplar Microscopy Images of Tissues

RRID:SCR_021052
Type: Tool

Proper Citation

Exemplar Microscopy Images of Tissues (RRID:SCR_021052)

Resource Information

URL: https://www.synapse.org/#!Synapse:syn22345748/wiki/605339

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Description: Reference dataset of multiplexed immunofluorescence microscopy images collected at HMS Laboratory of Systems Pharmacology. Includes set of images of different types for development and benchmarking of computational methods for image processing. As of 4/2/2021, EMIT comprises tissue microarray containing cores from 34 cancer, non-neoplastic diseases, and normal tissue collected from clinical discards under IRB supervised protocol. TMA was imaged using cyclic immunofluorescence method. Additional extensions of EMIT are currently in the planning stages. Long term goal is to compose ImageNet like resource for highly multiplexed images of tissues and tumors by consolidating high quality curated datasets.

Abbreviations: EMIT

Synonyms: Exemplar Microscopy Images of Tissues ( and Tumors)

Resource Type: storage service resource, experimental protocol, service resource, immuno detection protocol, image repository, image collection, immunofluorescence, data or information resource, data repository, narrative resource, image, 2d spatial image, data set

Defining Citation: DOI:10.1101/2021.03.15.435473

Keywords: Reference dataset, multiplexed immunofluorescence microscopy images, tissue microarray, cyclic immunofluorescence, tissues images, tumors images

Related Condition: glioblastoma, lung adenocarcinoma, prostate adenocarcinoma, seminoma, meningioma, mesothelioma, GI stromal tumor, liver cirrhosis, leiomyosarcoma, high-grade serous ovarian cancer, diverticulitis, acute appendicitis, metastatic melanoma,
dedifferentiated liposarcoma

**Funding Agency:** NIH, NCI, Ludwig Center at Harvard Medical School and the Ludwig Cancer Research Foundation

**Availability:** Restricted

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**Ratings and Alerts**

No rating or validation information has been found for Exemplar Microscopy Images of Tissues.

No alerts have been found for Exemplar Microscopy Images of Tissues.

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**Data and Source Information**

**Source:** [SciCrunch Registry](https://www.sciacrunch.org/)

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**Usage and Citation Metrics**

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](https://www.reprodrrid.org/).

