Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 15, 2025

University of Pennsylvania Perelman School of Medicine CUBIC (HPC Cluster)

RRID:SCR_022406
Type: Tool

Proper Citation

University of Pennsylvania Perelman School of Medicine CUBIC (HPC Cluster) (RRID:SCR_022406)

Resource Information

URL: https://www.med.upenn.edu/cbica/cubic.html

Proper Citation: University of Pennsylvania Perelman School of Medicine CUBIC (HPC Cluster) (RRID:SCR_022406)

Description: Linux based High Performance Computing resource available to faculty conducting research related to medical imaging and informatics. There are over 150 compute nodes with more than 5000 Intel Xeon CPUs and 58TB of RAM, over 100 GPUs, and 600TB of storage in the cluster. Facility management structure is designed to encourage data sharing and use of common software on this powerful resource, particularly in development of new software and application of imaging to new domains.

Synonyms: CUBIC (HPC Cluster), University of Pennsylvania Perelman School of Medicine CUBIC (HPC Cluster)

Resource Type: access service resource, core facility, service resource

Keywords: USEDit, ABRF

Funding:

Resource Name: University of Pennsylvania Perelman School of Medicine CUBIC (HPC Cluster)

Resource ID: SCR_022406

Alternate IDs: ARBF_1412

Alternate URLs: https://coremarketplace.org?citation=1&FacilityID=1412

Record Creation Time: 20220602T050140+0000

Record Last Update: 20250412T060503+0000

Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania Perelman School of Medicine CUBIC (HPC Cluster).

No alerts have been found for University of Pennsylvania Perelman School of Medicine CUBIC (HPC Cluster).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ma Y, et al. (2024) pNet: A toolbox for personalized functional networks modeling. bioRxiv : the preprint server for biology.

Teferi M, et al. (2024) Intermittent theta-burst stimulation to the right dorsolateral prefrontal cortex may increase potentiated startle in healthy individuals. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 49(10), 1619.

Casalvera A, et al. (2023) Threat of shock increases distractor susceptibility during the short-term maintenance of visual information. medRxiv : the preprint server for health sciences.

Tian GL, et al. (2023) Design and Synthesis of D3R Bitopic Ligands with Flexible Secondary Binding Fragments: Radioligand Binding and Computational Chemistry Studies. Molecules (Basel, Switzerland), 29(1).