

Resource Summary Report

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UNC School of Medicine Center for Structural Biology

RRID:SCR_012430

Type: Tool

Proper Citation

UNC School of Medicine Center for Structural Biology (RRID:SCR_012430)

Resource Information

URL: <http://www.scienceexchange.com/facilities/center-for-structural-biology>

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Description: The CSB provides an integrated platform of expertise, infrastructure and education to foster a wider use of structural biology by the UNC community. The CSB mission is to make structural biology available as a general tool to any researcher. Structures of macromolecules at atomic resolution have helped to revolutionize modern biology. Structural insight is often crucial for understanding the functions of biological macromolecules, including their interactions with small ligands (such as substrates, inhibitors, drugs) and other macromolecules (nucleic acids and/or proteins). Consequently, structural biology represents one of the pillars of basic biomedical research; it is indispensable for deciphering the details of life processes and for understanding the differences between natural and diseased states. Building on such insights, structural biology can assist in devising novel therapies, e.g., through structure-based or structure-aided drug design. The enormous information content available in high-resolution, three-dimensional structures has sparked the desire of non-structural biologists to examine the structures of the macromolecules that they study. Structural biology is technically demanding, and it requires highly specialized expertise. The CSB removes or reduces these barriers that usually prevent general researchers from engaging in structural biology-based projects by themselves.

Abbreviations: UNC School of Medicine CSB

Synonyms: University of North Carolina at Chapel Hill School of Medicine Center for Structural Biology

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

Resource Name: UNC School of Medicine Center for Structural Biology

Resource ID: SCR_012430

Alternate IDs: SciEx_13287

Record Creation Time: 20220129T080310+0000

Record Last Update: 20260729T044303+0000

Ratings and Alerts

No rating or validation information has been found for UNC School of Medicine Center for Structural Biology.

No alerts have been found for UNC School of Medicine Center for Structural Biology.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.