Resource Summary Report

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University of Massachusetts Amherst Biophysical Characterization Core Facility

RRID:SCR_022357
Type: Tool

Proper Citation

University of Massachusetts Amherst Biophysical Characterization Core Facility (RRID:SCR_022357)

Resource Information

URL: https://www.umass.edu/ials/biophysical-characterization

Proper Citation: University of Massachusetts Amherst Biophysical Characterization Core Facility (RRID:SCR_022357)

Description: Provides expertise and access to instruments for study of structures and interactions of biological macromolecules such as proteins, nucleic acids, lipids, and complexes. Facility supports both discovery based research and assay development for translational applications. Offers to use equipment independently or with the help of faculty who have expertise in each method.

Synonyms: University of Massachusetts Amherst UMass Amherst Biophysical Characterization Core Facility, UMass Amherst Biophysical Characterization Core Facility

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

Keywords: USEDit, ABRF, biophysics, structures and interactions, biological macromolecules studies, proteins, nucleic acids, lipids, complexes

Resource Name: University of Massachusetts Amherst Biophysical Characterization Core Facility

Resource ID: SCR_022357

Alternate IDs: ABRF_1372

Alternate URLs: https://coremarketplace.org/?FacilityID=1372&citation=1

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260731T043121+0000

Ratings and Alerts

No rating or validation information has been found for University of Massachusetts Amherst Biophysical Characterization Core Facility.

No alerts have been found for University of Massachusetts Amherst Biophysical Characterization Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Shultz A, et al. (2025) Protocol for the removal of bound endotoxin from tau protein produced in Escherichia coli. STAR protocols, 6(4), 104177.

Shultz A, et al. (2025) Extracellular tau clearance is governed by its aggregation state and independent of microglial activation by LPS and IFN-?. bioRxiv : the preprint server for biology.

Li Y, et al. (2025) Site-Specific Nanobody Inhibitors of the Proteasomal Deubiquitinase UCH37. bioRxiv : the preprint server for biology.

Khamnong K, et al. (2025) High-Throughput Screening of Amyloid Inhibitors via Covalent-Labeling Mass Spectrometry. Analytical chemistry, 97(25), 12989.

McKaig CW, et al. (2025) Complement therapeutic factor H-IgG proteins as pre-exposure prophylaxes against Lyme borreliae infections. Journal of immunology (Baltimore, Md. : 1950).

Lee K, et al. (2025) Adaptive Macromolecular Surfactancy: Dynamic Bottlebrush Polymers Activated by Triggered Interfacial Hydrolysis. Journal of the American Chemical Society, 147(49), 45558.

Hung SJ, et al. (2025) Optimization of Polyelectrolyte Coacervate Membranes via Aqueous Phase Separation. ACS applied materials & interfaces, 17(1), 1361.

Shultz A, et al. (2025) Extracellular tau clearance is governed by its aggregation state and independent of microglial activation by LPS and IFN-?. Neurobiology of disease, 215, 107058.

Özden C, et al. (2024) Ca2+/CaM dependent protein kinase II (CaMKII)? and CaMKII? hub domains adopt distinct oligomeric states and stabilities. Protein science : a publication of the Protein Society, 33(4), e4960.

Menon NG, et al. (2023) A structural and functional comparison between two recombinant human lubricin proteins: Recombinant human proteoglycan-4 (rhPRG4) vs ECF843. Experimental eye research, 235, 109643.