Resource Summary Report

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Colorado University at Boulder Biochemistry Shared Instruments Pool Core Facility

RRID:SCR_018986
Type: Tool

Proper Citation

Colorado University at Boulder Biochemistry Shared Instruments Pool Core Facility (RRID:SCR_018986)

Resource Information

URL: https://www.colorado.edu/lab/biochem-instruments/

Proper Citation: Colorado University at Boulder Biochemistry Shared Instruments Pool Core Facility (RRID:SCR_018986)

Description: Provides access to multitude of instruments and techniques, including EPR, CD and fluorescence spectroscopy, DLS, Sec-MALS, ITC, MST, stopped-flow spectroscopy, chemical quench-flow, imaging systems, centrifuges, scintillation counters, sonicators and more.

Synonyms: Biochemistry and Shared Instrumentation, Biochemistry Shared Instruments Pool

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

Keywords: USEDit, spectroscopy, fluorescence spectroscopy, stopped flow spectroscopy, imaging, centrifuge, scintillation counter, sonicator, EPR, CD, DLS, ABRF, ABRF

Availability: open

Resource Name: Colorado University at Boulder Biochemistry Shared Instruments Pool Core Facility

Resource ID: SCR_018986

Alternate IDs: ABRF_1038

Alternate URLs: https://coremarketplace.org/?FacilityID=1038

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260804T043707+0000

Ratings and Alerts

No rating or validation information has been found for Colorado University at Boulder Biochemistry Shared Instruments Pool Core Facility.

No alerts have been found for Colorado University at Boulder Biochemistry Shared Instruments Pool Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 71 mentions in open access literature.

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

DaPron KE, et al. (2026) A Type III secretion system effector evolved to be mechanically labile and initiate unfolding from the N-terminus. bioRxiv : the preprint server for biology.

Thatavarthy S, et al. (2025) Cardiolipin dynamics promote membrane remodeling by mitochondrial OPA1. Nature communications, 16(1), 8685.

Sullivan AE, et al. (2025) The Panoptes system uses decoy cyclic nucleotides to defend against phage. Nature, 647(8091), 988.

Roberts JE, et al. (2025) UBQLN2 is necessary for UBE3A-mediated proteasomal degradation of the domesticated retroelement PEG10. Journal of cell science, 138(24).

Martin TG, et al. (2025) Cytoplasmic CaMKII??-B prevents myocardial recovery in heart failure. bioRxiv : the preprint server for biology.

Conte AN, et al. (2025) DnaJ mediates phage sensing by the bacterial NLR-related protein bNACHT25. PLoS biology, 23(5), e3003203.

Bergman WN, et al. (2025) A fluorescent reporter and single-turnover kinetics reveal insight into BAM complex function. Proceedings of the National Academy of Sciences of the United States of America, 122(52), e2514687122.

Curry SD, et al. (2025) Binding affinity and transport studies of engineered photocrosslinkable affibody-enzyme-nanoparticle constructs. Nanoscale advances, 7(8), 2239.

Palacio M, et al. (2025) Real-time visualization of reconstituted transcription reveals RNA polymerase II activation mechanisms at single promoters. bioRxiv : the preprint server for biology.

Palacio M, et al. (2025) Real-time visualization of reconstituted transcription reveals RNAPII activation mechanisms at single promoters. Cell reports, 44(9), 116251.

Sullivan AE, et al. (2025) A minimal CRISPR polymerase produces decoy cyclic nucleotides to detect phage anti-defense proteins. bioRxiv : the preprint server for biology.

Cheng LY, et al. (2025) Impact of G-tract RNAs and the DHX36 helicase on stress granule composition and formation. bioRxiv : the preprint server for biology.

Nagy TA, et al. (2025) Identifying phage proteins that activate the bacterial innate immune system. bioRxiv : the preprint server for biology.

Wu G, et al. (2025) Rapid dynamics allow the low-abundance RTEL1 helicase to promote telomere replication. Nucleic acids research, 53(5).

Batey R, et al. (2025) Designing small molecules that target a cryptic RNA binding site via base displacement. Research square.

Baumer ZT, et al. (2025) Computational redesign of a thermostable T7 RNA polymerase. bioRxiv : the preprint server for biology.

Wierzba AJ, et al. (2025) Unveiling the promise of peptide nucleic acids as functional linkers for an RNA imaging platform. RSC chemical biology, 6(2), 249.

Parker DM, et al. (2025) Protocol for determining the contribution of protein and RNA to condensate organization by permeabilizing and enzyme-treating live U-2 OS cells. STAR protocols, 6(2), 103744.

Tokodai Y, et al. (2025) Structure-guided design and development of cyclic peptide allosteric activators of Polycomb Repressive Complex 2. bioRxiv : the preprint server for biology.

Siwik SH, et al. (2025) Structural basis for ring-opening fluorescence by the RhoBAST RNA aptamer. Nucleic acids research, 53(12).