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: access service resource, core facility, service resource

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

Funding:

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: 20250412T060246+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 35 mentions in open access literature.

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

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.

Kibby EM, et al. (2024) A bacterial NLR-related protein recognizes multiple unrelated phage triggers to sense infection. bioRxiv : the preprint server for biology.

Hemphill WO, et al. (2024) Transcription factors ER? and Sox2 have differing multiphasic DNA- and RNA-binding mechanisms. RNA (New York, N.Y.), 30(8), 1089.

Nguyen MC, et al. (2024) Molecular insight into interactions between the Taf14, Yng1 and Sas3 subunits of the NuA3 complex. Nature communications, 15(1), 5335.

Zuccaro KE, et al. (2024) Cardiolipin clustering promotes mitochondrial membrane dynamics. bioRxiv : the preprint server for biology.

Hemphill WO, et al. (2024) Transcription factors ER? and Sox2 have differing multiphasic DNA and RNA binding mechanisms. bioRxiv : the preprint server for biology.

Aboulache BL, et al. (2024) Phosphorylation regulates the chromatin remodeler SMARCAD1

in nucleosome binding, ATP hydrolysis, and histone exchange. The Journal of biological chemistry, 300(12), 107893.

Johnson K, et al. (2024) Small molecule telomerase inhibitors are also potent inhibitors of telomeric C-strand synthesis. RNA (New York, N.Y.), 30(9), 1213.

Conte AN, et al. (2024) Phage detection by a bacterial NLR-related protein is mediated by DnaJ. bioRxiv : the preprint server for biology.

Toner CM, et al. (2024) Characterization of Medusavirus encoded histones reveals nucleosome-like structures and a unique linker histone. Nature communications, 15(1), 9138.

Powell WC, et al. (2024) Post-Translational Modifications Control Phase Transitions of Tau. bioRxiv : the preprint server for biology.

Kletzien OA, et al. (2024) The RNA-binding selectivity of the RGG/RG motifs of hnRNP U is abolished by elements within the intrinsically disordered region. bioRxiv : the preprint server for biology.

Kletzien OA, et al. (2024) The RNA-binding Selectivity of the RGG/RG Motifs of hnRNP U is Abolished by Elements Within the C-terminal Intrinsically Disordered Region. Journal of molecular biology, 436(18), 168702.

Song J, et al. (2024) Diverse RNA Structures Induce PRC2 Dimerization and Inhibit Histone Methyltransferase Activity. bioRxiv : the preprint server for biology.

Kletzien OA, et al. (2024) The RNA-Binding Domain of hnRNP U Extends beyond the RGG/RG Motifs. Biochemistry.

Baumer ZT, et al. (2024) Engineered Stop and Go T7 RNA Polymerases. ACS synthetic biology, 13(12), 4165.

Jansson-Fritzberg LI, et al. (2023) DNMT1 inhibition by pUG-fold quadruplex RNA. RNA (New York, N.Y.), 29(3), 346.

Olson CL, et al. (2023) RPA engages telomeric G-quadruplexes more effectively than CST. Nucleic acids research.

Tak U, et al. (2023) Bacterial cGAS-like enzymes produce 2',3'-cGAMP to activate an ion channel that restricts phage replication. bioRxiv : the preprint server for biology.

Song J, et al. (2023) Structural basis for inactivation of PRC2 by G-quadruplex RNA. Science (New York, N.Y.), 381(6664), 1331.