

Resource Summary Report

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Yale University Chemical and Biophysical Instrumentation Center Core Facility

RRID:SCR_021738

Type: Tool

Proper Citation

Yale University Chemical and Biophysical Instrumentation Center Core Facility
(RRID:SCR_021738)

Resource Information

URL: <http://cbic.yale.edu>

Proper Citation: Yale University Chemical and Biophysical Instrumentation Center Core Facility (RRID:SCR_021738)

Description: Core has range of instruments for characterization and structure elucidation of chemical and biophysical samples. Our staff maintains instruments and provides data collection services as well as training and support for self use of many of our instruments. We are most equipped in areas of NMR spectroscopy, Mass spectrometry and X-ray crystallography, but we also have optical and calorimetric instruments.

Abbreviations: CBIC

Synonyms: Yale Chemical and Biophysical Instrumentation Center

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

Keywords: USEDit, ABRF, NMR spectroscopy, Mass spectrometry, X-ray crystallography

Resource Name: Yale University Chemical and Biophysical Instrumentation Center Core Facility

Resource ID: SCR_021738

Alternate IDs: ABRF_1217

Alternate URLs: <https://coremarketplace.org/?FacilityID=1217>

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260905T133422+0000

Ratings and Alerts

No rating or validation information has been found for Yale University Chemical and Biophysical Instrumentation Center Core Facility.

No alerts have been found for Yale University Chemical and Biophysical Instrumentation Center Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 44 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Patel S, et al. (2026) Biocatalytic Enantioselective Oxidation of N-Acyl-S-Methyl Sulfenamides for the Asymmetric Synthesis of S-Methyl Sulfoximines. *Organic letters*, 28(1), 304.

Lee JL, et al. (2026) Non-ideal stoichiometry and thermochemistry of aqueous iridium oxide nanoparticles in proton-coupled electron transfer and oxygen-atom transfer. *Chemical science*, 17(21), 10694.

Um HS, et al. (2026) Asymmetric Desymmetrizing Sulfonylation of Diarylmethanes via Peptidyl-Cu(I)-Catalysis with Remote Stereocontrol. *Journal of the American Chemical Society*, 148(2), 2810.

Mohapatra A, et al. (2026) Chemical interactions in polyethylene glycol-induced condensates lead to an anomalous FRET response from a flexible linker-fluorescent protein crowding sensor. *bioRxiv : the preprint server for biology*.

Fang D, et al. (2026) Investigation of TRMT61B methyltransferase activity on mRNA and its effects on translation. *Nucleic acids research*, 54(8).

Yang S, et al. (2026) Stable Single-Pass Electrochemical Oxidation of Trace 1,4-Dioxane in Groundwater via Multistage Reactors with Current Pulsing. *ACS ES&T engineering*, 6(6), 1830.

Mohapatra A, et al. (2026) Polyethylene Glycol Induced Condensation Leads to an Anomalous FRET Response from a Flexible Linker-Fluorescent Protein Crowding Sensor. *ACS sensors*, 11(6), 4368.

Watt LM, et al. (2026) Accessibility Matters: Demonstrating the Critical Role of Mesoporous Pore Dimension on PFAS Adsorption Removal by Amine-Functionalized Surfaces. *Environmental science & technology*, 60(25), 18283.

Gibson NJ, et al. (2026) Colloidal Hexagonal Tungsten Oxide Nanorods: Synthesis, Characterization, and Proton-Coupled Electron Transfer. *Inorganic chemistry*, 65(4), 2659.

Wolfarth SA, et al. (2026) Low-Temperature Retro Diels-Alder Reactions of Tetramethoxyanthracenes and Tetracyanoethylene. *The Journal of organic chemistry*, 91(30), 10392.

Maisto SK, et al. (2026) Towards optimizing short-chained PFCA esterification in water. *Water research*, 305, 126296.

Leung CC, et al. (2026) Photoperiodic patterns in miRNA-mRNA pairs and tRNA fragments revealed by time-course co-sequencing in *Arabidopsis*. *PLoS genetics*, 22(7), e1012229.

Tampellini N, et al. (2025) Peptide-Catalyzed Asymmetric Amination of Sulfenamides Enabled by DFT-Guided Catalyst Optimization. *Journal of the American Chemical Society*, 147(44), 41122.

Patel B, et al. (2025) Phase Separation Oppositely Modulates G-quadruplex and i-Motif DNA Folding in the Nuclei of Living Cells. *bioRxiv : the preprint server for biology*.

Long K, et al. (2025) A clinical-stage oncology compound selectively targets drug-resistant cancers. *bioRxiv : the preprint server for biology*.

Fang D, et al. (2025) Investigation of TRMT61B methyltransferase activity on mRNA and its effects on translation. *bioRxiv : the preprint server for biology*.

Peterson PO, et al. (2025) Catalyst-Controlled Site-Selective and Epimer-Selective Hydrogenations of Thiostrepton. *Journal of the American Chemical Society*, 147(20), 17161.

Tampellini N, et al. (2025) Enantiocontrolled Cyclization to Form Chiral 7- and 8-Membered Rings Unified by the Same Catalyst Operating with Different Mechanisms. *Journal of the American Chemical Society*, 147(5), 4624.

Yu J, et al. (2025) Phosphatidylcholine-derived carriers facilitate brain tumor delivery and enhance glioblastoma therapy. *Journal of controlled release : official journal of the Controlled Release Society*, 385, 113999.

Dover TL, et al. (2025) Further Confirmation of the Structure of 3'-(2-Pyridyldithio)-3'-deoxyadenosine and 3'-Thio-3'-deoxyadenosine: Synthetic Convergence with Cordycepin. *The Journal of organic chemistry*, 90(26), 9295.