

Resource Summary Report

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Stanford University Vincent Coates Foundation Mass Spectrometry Laboratory Core Facility

RRID:SCR_017801

Type: Tool

Proper Citation

Stanford University Vincent Coates Foundation Mass Spectrometry Laboratory Core Facility (RRID:SCR_017801)

Resource Information

URL: <http://mass-spec.stanford.edu>

Proper Citation: Stanford University Vincent Coates Foundation Mass Spectrometry Laboratory Core Facility (RRID:SCR_017801)

Description: Core mass spec and proteomic services include open access lab for trained users with GC/MS, LC/MS, high resolution LC/MS, and MALDI-TOF instruments, help with intact protein analysis, targeted quantitation, drug discovery support, pathway analysis, protein interactions, FFPE tissue analysis, both labeled and label-free proteomics, and more. Please contact SUMS to discuss these and other custom projects including new application development.

Synonyms: Vincent Coates Foundation Mass Spectrometry Laboratory

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

Keywords: Mass, spectrometry, proteomics, training, analysis, targeted, quantitation, drug, discovery, pathway, protein, interaction, service, USEDit, ABRF

Funding: Vincent and Stella Coates ;
NCI CA124435;
NIH S10 RR027425;
NIH S10 OD026962

Availability: Open

Resource Name: Stanford University Vincent Coates Foundation Mass Spectrometry Laboratory Core Facility

Resource ID: SCR_017801

Alternate IDs: ABRF_489

Alternate URLs: <https://coremarketplace.org/?FacilityID=489>

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260729T044437+0000

Ratings and Alerts

No rating or validation information has been found for Stanford University Vincent Coates Foundation Mass Spectrometry Laboratory Core Facility.

No alerts have been found for Stanford University Vincent Coates Foundation Mass Spectrometry Laboratory Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 100 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Yi H, et al. (2026) EcDNA-borne structural variants drive oncogenic fusion transcript amplification. Cell.

Nshanian M, et al. (2025) Short-chain fatty acid metabolites propionate and butyrate are unique epigenetic regulatory elements linking diet, metabolism and gene expression. Nature metabolism, 7(1), 196.

Villicana C, et al. (2025) Incorporating Bone-Derived ECM into Macroporous Microribbon Scaffolds Accelerates Bone Regeneration. Advanced healthcare materials, 14(6), e2402138.

Saad S, et al. (2025) DNA binding and mitotic phosphorylation protect polyglutamine proteins from assembly formation. Cell, 188(11), 2974.

Feist WN, et al. (2025) Multilayered HIV-1 resistance in HSPCs through CCR5 Knockout and B cell secretion of HIV-inhibiting antibodies. Nature communications, 16(1), 3103.

Topkar VV, et al. (2025) RNA switch model for localization and translation of the myelin basic protein mRNA. bioRxiv : the preprint server for biology.

Khan YA, et al. (2025) SNARE disassembly requires Sec18/NSF side loading. Nature structural & molecular biology, 32(9), 1708.

Zeng W, et al. (2025) Combinatory Treatment to Alleviate Cellular Stress and Improve Skeletal Muscle Phenotype in Spinal Muscular Atrophy. *Circulation research*, 137(5), 699.

Lu OD, et al. (2025) A multi-institutional investigation of psilocybin's effects on mouse behavior. *bioRxiv : the preprint server for biology*.

Park ER, et al. (2025) A chemogenetic ligand-receptor pair for voltage-gated sodium channel subtype-selective inhibition. *bioRxiv : the preprint server for biology*.

Lee DC, et al. (2025) Cascade Mechanochemical Transformation of a Benzobarrelane Polymer. *Journal of the American Chemical Society*, 147(43), 39047.

Sanchez LAH, et al. (2025) Toughening Poly(lactic acid) without Compromise - Statistical Copolymerization with a Bioderived Bicyclic Lactone. *Journal of the American Chemical Society*, 147(6), 5212.

Gao Y, et al. (2025) Convenient syntheses of isotopically labeled pyrimidine 2'-deoxynucleosides and their 5-hydroxy oxidation products. *Nucleosides, nucleotides & nucleic acids*, 44(11), 915.

Lecointe J, et al. (2025) Plasma Proteomics of the Fontan Circulation Reveal Signatures of Oxidative Stress and Cell Death. *Circulation. Heart failure*, 18(5), e012136.

Hernandez Arriaza R, et al. (2025) ApoE is Secreted as a Lipid Nanoparticle by Mammalian Cells: Implications for Alzheimer's Disease Pathogenesis. *Biochemistry*, 64(21), 4387.

Hansen ME, et al. (2025) Unidirectional Chain Transfer of Enol Ethers Yields Heterotelechelic Degradable Poly(Enol Ether). *ACS macro letters*, 14(10), 1492.

Dai SY, et al. (2025) Light-Controlled Intracellular Synthesis of Poly(luciferin) Polymers Induces Cell Paraptosis. *Journal of the American Chemical Society*, 147(2), 2037.

Jijumon AS, et al. (2025) Ballistic Microscopy (BaM). *bioRxiv : the preprint server for biology*.

Cho S, et al. (2025) Selective inhibition of stromal mechanosensing suppresses cardiac fibrosis. *Nature*, 642(8068), 766.

Chang MP, et al. (2025) Repetitive proteins that undergo large conformational changes evade structural prediction algorithms. *The Journal of chemical physics*, 163(22).