

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, core facility, service resource

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

Record Creation Time: 20220129T080337+0000

Record Last Update: 20250412T060155+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 147 mentions in open access literature.

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

Tal MC, et al. (2024) P66 is a bacterial mimic of CD47 that binds the anti-phagocytic receptor SIRP α and facilitates macrophage evasion by *Borrelia burgdorferi*. bioRxiv : the preprint server for biology.

Caty SN, et al. (2024) A toxic environment selects for specialist microbiome in poison frogs. bioRxiv : the preprint server for biology.

Harel I, et al. (2024) Identification of protein aggregates in the aging vertebrate brain with prion-like and phase-separation properties. Cell reports, 43(6), 112787.

Rodrigues AJ, et al. (2024) Repurposing mebendazole against triple-negative breast cancer CNS metastasis. Journal of neuro-oncology, 168(1), 125.

Liu X, et al. (2024) Numb positively regulates Hedgehog signaling at the ciliary pocket. Nature communications, 15(1), 3365.

Evans AK, et al. (2024) Impact of noradrenergic inhibition on neuroinflammation and pathophysiology in mouse models of Alzheimer's disease. Research square.

Moran BM, et al. (2024) A lethal mitonuclear incompatibility in complex I of natural hybrids. *Nature*, 626(7997), 119.

Khan YA, et al. (2024) Sec18 side-loading is essential for universal SNARE recycling across cellular contexts. *bioRxiv : the preprint server for biology*.

Ou BS, et al. (2024) Saponin nanoparticle adjuvants incorporating Toll-like receptor agonists drive distinct immune signatures and potent vaccine responses. *Science advances*, 10(32), eadn7187.

Wang C, et al. (2024) Structure and topography of the synaptic V-ATPase-synaptophysin complex. *Nature*, 631(8022), 899.

Evans AK, et al. (2024) Impact of noradrenergic inhibition on neuroinflammation and pathophysiology in mouse models of Alzheimer's disease. *Journal of neuroinflammation*, 21(1), 322.

Rodrigues A, et al. (2024) Repurposing mebendazole against triple-negative breast cancer leptomeningeal disease. *Research square*.

Kim S, et al. (2024) DNA-guided transcription factor cooperativity shapes face and limb mesenchyme. *Cell*, 187(3), 692.

Rahn HP, et al. (2024) Biguanide-Vancomycin Conjugates are Effective Broad-Spectrum Antibiotics against Actively Growing and Biofilm-Associated Gram-Positive and Gram-Negative ESKAPE Pathogens and Mycobacteria. *Journal of the American Chemical Society*, 146(32), 22541.

Chosy MB, et al. (2024) Vancomycin-Polyguanidino Dendrimer Conjugates Inhibit Growth of Antibiotic-Resistant Gram-Positive and Gram-Negative Bacteria and Eradicate Biofilm-Associated *S. aureus*. *ACS infectious diseases*, 10(2), 384.

Horst M, et al. (2024) Mechanochemistry of Pterodactylane. *Journal of the American Chemical Society*, 146(1), 884.

Zlitni A, et al. (2024) Bridging the Translation of ICG-1-Maltotriose: A Multimodal Sensor for Monitoring and Detecting Bacterial Infections. *ACS sensors*, 9(6), 2806.

Evans AK, et al. (2024) Impact of high-fat diet on cognitive behavior and central and systemic inflammation with aging and sex differences in mice. *Brain, behavior, and immunity*, 118, 334.

Horst M, et al. (2024) Fluorination Affects the Force Sensitivity and Nonequilibrium Dynamics of the Mechanochemical Unzipping of Ladderanes. *Journal of the American Chemical Society*, 146(47), 32651.

Hsu J, et al. (2023) Carnitine octanoyltransferase is important for the assimilation of exogenous acetyl-L-carnitine into acetyl-CoA in mammalian cells. *The Journal of biological chemistry*, 299(2), 102848.