

Resource Summary Report

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Stanford SIGMA Shared Facility

RRID:SCR_023259

Type: Tool

Proper Citation

Stanford SIGMA Shared Facility (RRID:SCR_023259)

Resource Information

URL: <https://sigmalab.stanford.edu/>

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Description: Shared analytical facility specialized in areas of radiogenic isotope geochemistry, non-traditional stable isotope geochemistry, and low blank concentration determinations of natural and engineered materials. Provided equipment includes triple-quad ICP-MS (Agilent 8900) with laser ablation intake system (AS RESOlution laser system), multi-collector ICP-MS (Neptune XT), and specially designed Picotrace metal-free low particulate clean laboratory. Produces high quality isotopic and trace element data. Offers training.

Abbreviations: SIGMA

Synonyms: Stanford SIGMA Facility, SIGMA Facility

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

Keywords: USEDit, ABRF, radiogenic isotope geochemistry, non-traditional stable isotope geochemistry, high-sensitivity geochemical analyses, material characterization, elemental concentrations

Resource Name: Stanford SIGMA Shared Facility

Resource ID: SCR_023259

Alternate IDs: ABRF_2483

Alternate URLs: <https://coremarketplace.org/?FacilityID=2483&citation=1>,
https://coremarketplace.org/RRID:SCR_023259?citation=1

Record Creation Time: 20230208T050154+0000

Record Last Update: 20260919T195955+0000

Ratings and Alerts

No rating or validation information has been found for Stanford SIGMA Shared Facility.

No alerts have been found for Stanford SIGMA Shared Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Kessler MI, et al. (2026) A Humidity-Tolerant Photocatalyst for Methane Removal. Environmental science & technology, 60(7), 5442.

Zielke C, et al. (2026) Investigation of Regulation and Binding Patterns of the Human Cathelicidin Peptide LL-37 in Complexation with Nucleic Acids, and its Impact on Neutrophil Extracellular Traps. bioRxiv : the preprint server for biology.

Chandra S, et al. (2026) Chemical modulation of Miro1 alleviates cell-type-specific vulnerabilities in Friedreich's ataxia. Cell chemical biology.

Zielke C, et al. (2026) Human cathelicidin peptide LL-37 compacts nucleic acids and alters neutrophil extracellular trap structure. Scientific reports, 16(1).

Holmfred E, et al. (2025) Revealing the Stable ^2H , ^{13}C , and ^{18}O Isotopic Patterns of Ibuprofen Drug Products and Commonly Used Pharmaceutical Excipients. Molecular pharmaceutics, 22(8), 4879.