

# Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

## 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](https://coremarketplace.org/RRID:SCR_023259?citation=1)

**Record Creation Time:** 20230208T050154+0000

**Record Last Update:** 20260821T194238+0000

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## 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

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  $^2\text{H}$ ,  $^{13}\text{C}$ , and  $^{18}\text{O}$  Isotopic Patterns of Ibuprofen Drug Products and Commonly Used Pharmaceutical Excipients. Molecular pharmaceutics, 22(8), 4879.