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## ADVANCED OMICS CAPABILITIES

The U.S. Department of Energy (DOE) Joint Genome Institute (JGI) is an integrative genomic science user facility dedicated to aiding researchers in sequence-enabled science and genome analysis of microbes, microbial communities, plants, fungi, algae and other targets relevant to DOE missions in energy, environment, global carbon and other nutrient cycling. The JGI provides users around the world with access, at no cost, to high-throughput genomic and more specialized capabilities and data analysis. These include genome, metagenome, and single-cell sequencing; resequencing; DNA synthesis; metabolomics; natural products; as well as transcriptome, metatranscriptome, and methylome analysis.

### Community Science Program (CSP)

- **CSP Annual Large-scale Call**
  - High-throughput sequencing
  - Functional annotation
  - **Letters of Intent due Spring 2025**
- **CSP Functional Genomics**
  - DNA synthesis for gene function & biosynthetic pathway discovery
  - **Proposals due Jan. 30, 2025**
- **CSP New Investigator**
  - For investigators and research initiatives new to the JGI
  - **Proposals due Oct. 4, 2024**

[jointgeno.me/UserPrograms](https://jointgeno.me/UserPrograms)



One proposal for access to JGI sequencing, synthesis,

metabolomics; proteomics, and imaging through the Environmental Molecular Sciences Laboratory (EMSL).

**Letters of Intent due Spring 2025**

[jointgeno.me/FICUS-JGI-EMSL](https://jointgeno.me/FICUS-JGI-EMSL)

The JGI offers free online resources, e.g., data systems, tutorials, symposia:

- Staple Isotope Probing (SIP)
- Long-read Sequence Applications
- Integrated Microbial Genomes (IMG)
- MycoCosm for Analysis of Fungi
- PhycoCosm for Analysis of Algae

[jointgeno.me/Webinars](https://jointgeno.me/Webinars)



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**ENERGY**

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Check out the  
**JGI podcasts!**

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