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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; as well as transcriptome, metatranscriptome, and methylome analysis.

Community Science Program (CSP)

- **CSP Annual Large-scale Call**
 - High-throughput sequencing
 - Functional annotation
 - Metabolomics characterization of plants, fungi, algae and non-biomedical microbiomes
 - **Letters of Intent due Spring 2023**
- **CSP Functional Genomics**
 - DNA synthesis for gene function & biosynthetic pathway discovery
 - **Letters of Intent due Jan. 30, 2023**
- **CSP New Investigator**
 - **Proposals due March 3, 2023**

jointgeno.me/UserPrograms



One proposal for access to JGI sequencing, synthesis, metabolomics; proteomics, and imaging through the Environmental Molecular Sciences Laboratory (EMSL).

jointgeno.me/FICUS-JGI-EMSL

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

- 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



U.S. DEPARTMENT OF **ENERGY** | Office of Science

Check out the **JGI podcasts!**

jointgeno.me/Podcasts



jgi.doe.gov