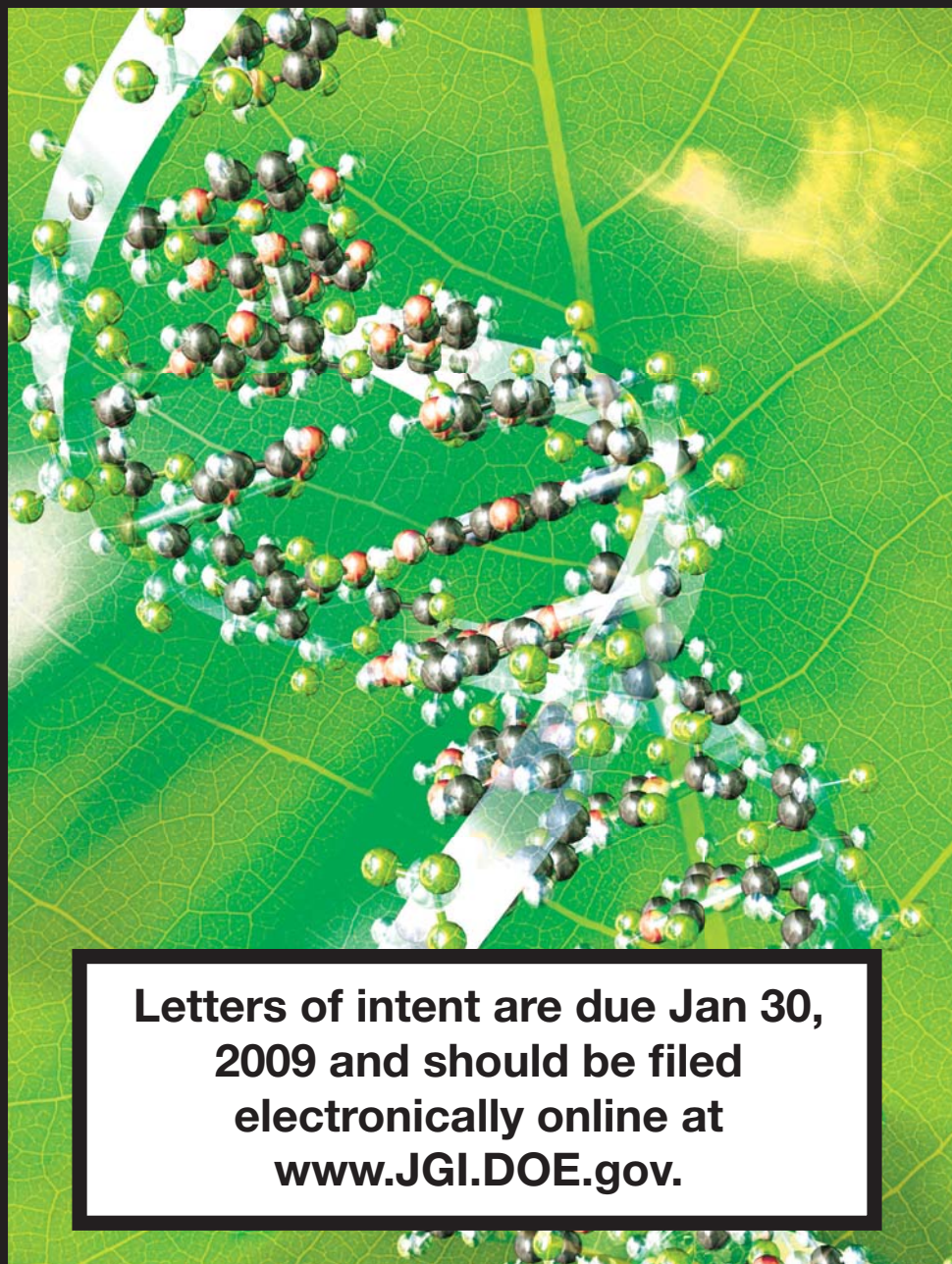




U.S. DEPARTMENT OF  
**ENERGY**

Office of Science

**JGI**   
DOE JOINT GENOME INSTITUTE



**Letters of intent are due Jan 30,  
2009 and should be filed  
electronically online at  
[www.JGI.DOE.gov](http://www.JGI.DOE.gov).**

U.S. Department of Energy Joint Genome Institute (DOE JGI)

## **COMMUNITY SEQUENCING PROGRAM (CSP)**

is soliciting genome proposals related to DOE missions of bioenergy, global carbon cycling and biogeochemical processes influencing contaminant transport for:

### **Bacterial Resequencing:**

Bacterial isolates related to DOE missions, for which a reference genome exists, may be proposed; proposals may focus on community structure and dynamics, understanding gene function under selective pressure, or of mutagenized strains.

### **Metagenomes:**

Microbial communities involved in DOE relevant activities or specific mission-driven gene or pathway discovery.

### **Eukaryotic Resequencing:**

Large-scale (< 20 gigabases) efforts that exploit next-gen sequencing technologies may be proposed: e.g., biomass feedstocks, plant models, biomass-degrading fungi and plant pathogens for which a reference genome exists or is currently planned.

### **Eukaryotic Reference Genomes:**

DOE mission-relevant genomes of < 250 megabases appropriate for next-gen sequencers—ideally inbred with minimal polymorphism and repeat content. For larger sequencing projects, applicants may apply for pilot-scale sequencing to acquire this basic information.

### **Bacterial & Archaeal Isolates:**

Beginning January 2009, brief proposals will be accepted on a continuous basis and reviewed every three months for organisms that participate in processes directly relevant to DOE missions or that enable sequence-based comparisons to illuminate gene function(s). Successful proposals will be prioritized and approved for sequencing when DNA prepared according to DOE JGI's standards is received.