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**Seasons Greetings from the
Integrative Genomics Building**
the new home of JGI and KBase!



*May all your sequence
reads be bright,
and may all your data
analyses be right*



**Early-Bird Registration Ends
December 31, 2019**



The countdown has begun to New Year's Eve and the Early Bird Deadline to register for the JGI's **15th Annual Genomics of Energy & Environment Meeting**, March 22-26, 2020 at the Oakland Convention Center/Oakland Marriott City Center.

The lineup of the Meeting's **speakers** – including keynotes **Robert Henry**, **Stephen Mayfield** and **Bin Yu** – represent the rich diversity of research disciplines and perspectives under the JGI umbrella, as well as other thought-leaders advancing our understanding of the complex processes and the emerging technologies that will fuel discovery from the data JGI generates. The agenda can be viewed [here](#).

You may also be interested in participating the workshops that we are hosting before the start of the Meeting. The Fungal and Algal workshop will afford the opportunity to hear from successful Community Science Program (CSP) PIs as they share tips on writing successful proposals and details about the spectrum of omics and analytical technologies available from JGI and partner facilities.

Don't wait! [Register now!](#)



In addition, our partners from the Department of Energy Systems Biology Knowledgebase (**KBBase**), a software and data platform designed to meet the grand challenge of systems biology by predicting and designing biological function, will host hands-on modules for all levels of experience. These include strategies for exploring microbiomes through MAGs (metagenome assembled genomes), isolates genome analysis, and metabolic modeling along with one-on-one "office hours" for developers seeking to add data or tools to KBBase.

The main Meeting will also be preceded by the Viral EcoGenomics & Applications (**VEGA**) Symposium, headlined by keynote speakers **Jennifer Doudna**, **Mart Krupovic**, **Karen Maxwell**, and **Eddy Rubin**. The goals of this Symposium include bringing together a viral



ecogenomics community to foster discussions on how to best capture and characterize uncultivated viruses, understanding the role of viruses in natural ecosystems, and functionally exploring viral genetic diversity to accelerate innovative biotechnological and industrial applications.

Space is limited! [Register for VEGA2020 now!](#)



Still not sure?

Are you still mulling over whether you and your team should be participating in the JGI Annual Meeting and/or VEGA? Several of our colleagues share their perspectives [here](#).

New Year/New Opportunities to Advance Your Research

Submit now!

In rapid succession, the JGI is offering several calls for proposals to provide free access to sequencing, synthesis, metabolomics, data analysis and more!

Functional Genomics

Former known as the "DNA Synthesis" call, this opportunity enables free access to multiple capabilities to translate genomic information into biological function via:

- Sequence data mining
- Metabolomics based functional analyses
- Mapping of transcription factor binding sites RNA-seq

Synthesis of:

- Genes and pathways for functional characterization
- Combinatorial pathway libraries for fast-track metabolic engineering
- CRISPR/CAS9 libraries

Proposals due: January 31, 2020; July 30, 2020

New Investigator

For researchers new to the JGI, with an emphasis on generating data to assess feasibility for a large-scale CSP proposal submission in energy and environmental genomics.

Proposals due: March 2, 2020; September 19, 2020

Facilities Integrating Collaborations for User Science (FICUS)

Combines the power of genomics and molecular characterization in one proposal by providing access to JGI and the Environmental Molecular Science Laboratory (EMSL): DNA sequencing, synthesis, proteomics, metabolomics, imaging capabilities and data analysis.

Letters of Intent due: March 18, 2020

Large-Scale Community Science Program (CSP)

JGI's flagship offering, for complex genomic science targeting sustainable biofuel and bioproducts production, global carbon cycling, and biogeochemistry.

Letters of Intent due: April 10, 2010



New Year's Resolution?

Fluency with IMG/M

The JGI is hosting the 30th iteration of the popular hands-on Microbial Genomes & Microbiomes (MGM) Workshop March 30 – April 3 at the new Integrative Genomics Building at Berkeley Lab. This workshop targets experimental biologists and aspiring computational biologists who seek to tap the [Integrative Microbial Genomics and Microbiomes](#) data and tools for (meta)genome exploration,

comparative genomics and gene discovery.

Space is limited! [Register for MGM-30 now!](#)

JGI, KBase Move to Berkeley Lab Completed

Iconic Helix Installed at the IGB

Upon the completion of the monumental seven-week move of the JGI and KBase staff into the Integrative Genomics Building at Berkeley Lab, the helix sculpture that has long served as a landmark at the JGI's old facility 18 miles to the east, was installed December 16 to much fanfare preceding the Director's Welcome Reception. The helix, referred to as "a DNA molecule you can see without a

microscope!” by its creator Jeff Brees, was welded onto its new pedestal on the IGB third floor terrace. Check out this video that chronicles the travels of the iconic helix [here](#). You can view a JGI sequencing platform retrospective [here](#).

