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JUNE 2023

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JGI hits sequencing milestone



The JGI has surpassed 3 petabases of data sequenced — that's **3 QUADRILLION** base pairs of DNA sequence.

If you're a researcher in need of genomics tools to answer questions related to bioenergy or environmental issues, [check out our proposal calls!](#) (*More information below*)

Don't miss our Annual Meeting this August!

The JGI's Annual Meeting will be held **Aug. 21-25** at the Integrative Genomics Building at Berkeley Lab,



as well as virtually.

See below for info on our speakers, and [click here to register](#).

**Plus, the [New Lineages of Life Symposium](#) will coincide with our meeting workshops!*



Keynotes:

Bruce Hungate of **Northern Arizona University** has dedicated his career to understanding how ecosystems of all sizes respond to and shape environmental change.

Dianne Newman of **Caltech** brought genetic approaches to problems involving microbial metabolisms of environmental and geobiological interest.

Edward Holmes of the **University of Sydney** has been at the forefront of Covid-19 research.

Speakers:

Day 1: Mircea Podar, Oak Ridge National Laboratory; Venkateswaran Kasthuri, JPL/NASA; Marnix Medema, Wageningen University; Cathy Wu, University of Delaware

Day 2: Katherine Duncan, Strathclyde University; Debashish Bhattacharya, Rutgers; Rachel Dutton, Arcadia Science/UCSD

Day 3: Eduardo Rocha, Institut Pasteur; Uwe Sauer, ETH Institute of Molecular Systems Biology; Julia Bailly-Serres, UC-Riverside; Guy Polturak, John Innes

Workshops:

NMDC Hands-On Workshop

Multi-Omics of Microbial Eukaryotes

Metabolomics Data Analysis Hands-On Workshop

Secondary Metabolites Collaboratory

Analyzing Microbial Genomes & Community Metagenomes w/KBase

IMG Present Capabilities and Future Plans

Navigating the Phytozome Plant Genomics Portal Center



Crops that are tough as turf

In the season 4 launch of our **Genome Insider** podcast, host Menaka Wilhelm talks to researchers at the **University of Nebraska-Lincoln** working with Seashore paspalum — the same species of grass used for the 2022 World Cup turf in Qatar.

It turns out that paspalum can handle more than a beating from soccer cleats: It's incredibly hardy, and it holds clues about how to turn its relatives (like maize and sorghum) into more resilient crops. [Tune in and subscribe to learn more!](#)

Open Proposal Calls

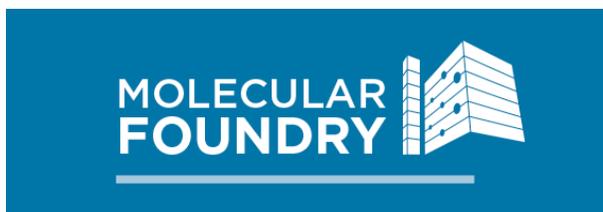


The next deadline for our [Functional Genomics](#) call, which looks for DOE mission-aligned proposals that translate genomic information into biological function, is **July 31**.

The next deadline for our [New Investigator](#) call, which looks for DOE mission-aligned proposals from PIs who have not led any previously-accepted proposals, is **Sept. 4**.

Interested in working with the JGI? You can find [details about all of our proposal calls here](#).

Upcoming Partner Events



The **Molecular Foundry** will hold its 2023 User Meeting both virtually and in-person from **Aug. 10-11**. The conference focuses on frontier research topics in nanoscience. [More info is available online](#).



The **Environmental Molecular Sciences Laboratory's** annual meeting will be held **Oct. 3-5**. This year's theme is "Visualizing Chemical Processes Across the Environment."

Topics will include biological cartography, spatially resolved integrative omics, and multimodal imaging.

The hybrid meeting will be held in-person at Pacific Northwest National Laboratory.

You can register and find more information [on EMSL's website](#).



Advanced Light Source will host its hybrid annual meeting **Sept. 11-15**, onsite at Berkeley Lab. [Click for more information](#).



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