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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,
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 Bally-Serres, UC-Riverside; Guy Polturak, John Innes Center

**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

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**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.

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

The hybrid meeting will be held in-person at Pacific Northwest National Laboratory. You can register and find more information **on EMSL's website**.