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SUMMER 2020

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**In this Issue:** July 8 Community Engagement Webinar! | Functional Genomics Call Deadline | Genome Insider & Natural Prodcast Podcasts | ICYMI: JGI-enabled Science | IMG and KBase Webinars | Upcoming Data Portals Outage

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## JGI Engagement: Accessing Functional Genomics Capabilities

Wednesday, July 8, 9AM-10AM (PDT)

Hear members of JGI's user community present live their experiences accessing and utilizing JGI technology to advance their research and to inspire



new applications for the upcoming CSP Functional Genomics call for proposals (below). **Register for free here.**

 <p><b>Hal Alper</b>, University of Texas at Austin: "Guide RNAs for gene activation/ suppression in microbes"</p>	<p><b>Philipp Zerbe</b>, University of California, Davis on: "Protein characterization via structural analysis and metabolomics"</p> 
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### Apply Now: CSP Functional Genomics Call by July 31

The JGI Community Science Program (CSP) **Functional Genomics (formerly DNA Synthesis) call** enables users to translate genomic information into biological function by leveraging JGI capabilities. Resources are made freely available through competitive, peer-reviewed applications.

### ICYMI: Latest JGI Podcasts Episodes

 <p><b>GENOME INSIDER</b></p>	 <p><b>Natural Prodcast</b></p>
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Listen to **Kelly Wrighton** and her team at Colorado State discuss **sequencing the world's river microbiomes**. Also, **Gary Trubl** of Lawrence Livermore National Laboratory on **tracking viruses in the thawing arctic**; and **Stuart McDaniel** and Sarah Carey of the University of Florida on **how fire moss sheds light on plant gene function in other plants**.

Hear **Ben Shen** of The Scripps Research Institute describe the **acquisition and characterization of the Pfizer strain collection**. Also, **Eric W. Schmidt** of the University of Utah on **RIPPs and working with a wide variety of marine organisms**; and **Roger Linington** from Simon Fraser University on **connecting the omics data produced by natural products research**.

Listen to both shows **here** and access the episode transcripts. Video teasers are **here**. Send in your ideas for future topics and interviewees **here**.



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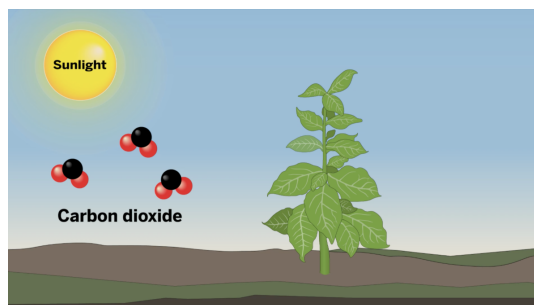
INTEGRATED MICROBIAL GENOMES AND MICROBIOMES

## IMG/M Webinar Archives Available for Viewing

**Eight episodes** describing how to use the **Integrated Microbial Genomes & Microbiomes (IMG/M)** suite are available free for viewing, covering topics from sequence similarity search to metagenome binning. Learn more [here](#).

## JGI-Enabled Science Highlight

In *Science*, a team led by MPI for Terrestrial Microbiology director **Tobias Erb** developed a platform that mimics chloroplasts, a step toward an artificial photosynthetic cell. **This work** seeks to ultimately capture and utilize the excess carbon from the atmosphere for producing high value bioproducts.



### NERSC Outage

JGI's partners at NERSC have **scheduled maintenance** from 6:00am PDT July 10 to 11:50pm PDT July 14, 11:50pm, PDT. JGI portals will experience outages; Phytozome may be unavailable intermittently. Please plan accordingly!



### July 22 KBase Webinar

Harness the power of KBase!  
**Create a free KBase account** and **register here** for the upcoming webinar Genome Announcements in KBase, July 22, 1pm ET/10am PT. **Go here** for recordings of previous KBase webinars.



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