

## News/information in this issue

1/2024

I. ORFan assessment results and wet lab procedures are published!

<https://journals.asm.org/doi/10.1128/jmbe.00165-23>

II. Network resources available-

Lots of materials available for your courses-see below for the full list

III. Adopt-a-Protogene Workshop June 20-21, 2024

IV. Summer undergraduate research opportunity on proto-genes at the University of Pittsburgh

V. ORFan network publications

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## II. Network resources still available



Remaining grant funds were used to pre-pay items and to purchase libraries and reagents. The following resources are available. Send requests to Jill Keeney ([keeney@juniata.edu](mailto:keeney@juniata.edu)) and include your address for USPS mailing.

- a. Primers for your courses (from IDT technologies). For making deletions, tagging ORFs
- b. PCR beads-get 'em while they last!
- c. Mitochondria and vacuole fluorescent stains, red and green for both.
- d. Strains from the *MAT* alpha deletion strain collection and the gateway galactose inducible tagged plasmid collection (in *E. coli*) are available.
- e. Deletion library pools for your screening project
- f. Pages charges to [micropublications](#)-get your submissions in! (funds for 10 publications)
- g. RNA-Seq data (from [Wright labs](#)). We submit cells. Wright labs will perform the RNA-seq pipeline including bioinformatic analysis. Wright labs staff will tutor undergraduates on the bioinformatics pipeline for interested students. Email Jill Keeney with your project ideas.

## III. Adopt-a-Protogene Workshop June 20-21, 2024

Save the date! The topic will be gene regulation and evolution. Registration and workshop details will be posted to the ORFan/GUF website [here](#).

## IV. Summer Undergraduate Research Program at Univ. of Pittsburgh

Paid undergraduate research experience on proto-genes. Details are posted [here](#). Deadline to apply is March 5, 2024.

## V. Publications

If you or your students have publications on genes of unknown function, please send to [keeney@juniata.edu](mailto:keeney@juniata.edu). SGD now posts of a [page of micropubs](#). Congrats on the following publications on genes of unknown function from network participants!

[Kowaleski SJ, Hurmis CS, Coleman CN, Philips KD, Najor NA \(2023\) SHE9 deletion mutants display fitness defects during diauxic shift in \*Saccharomyces cerevisiae\* . MicroPubl Biol 2023](#)

[Chang S, Joyson M, Kelly A, Tang L, Iannotta J, Rich A, Castilho Coelho N, Carvunis AR \(2023\) Unannotated Open Reading Frame in \*Saccharomyces cerevisiae\* Encodes Protein Localizing to the Endoplasmic Reticulum. MicroPubl Biol 2023](#)

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## The Yeast ORFan Project: Finding a Place for ORFans to GO

NSF RCN-UBE award number 1624174 (9/2016-8/2022)

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