Resource Summary Report

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Fungal Genetics Stock Center

RRID:SCR_008143
Type: Tool

Proper Citation

Fungal Genetics Stock Center (RRID:SCR_008143)

Resource Information

URL: http://www.fgsc.net/

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Description: The Fungal Genetics Stock Center is a resource available to the Fungal Genetics research community and to educational and research organizations in general. While some fungi can cause disease in humans, most people have innate immunity against fungi. Some people with diseases of the immune system are at increased risk of infection by fungi. Drugs have been developed in the last 5 years that help with this. Fungal Genetics is the study of genes and genetic traits in fungi. In the past this has been important in the elucidation of what a gene is, what the genetic material is, how genes relate to enzymes, how enzymes relate to traits and how important traits change or evolve. In the present, Fungal Genetics is important to understanding how fungi are pathogens of plants and animals, how fungi can be used in industry for the production of enzymes, chemicals, food, and drugs. Fungi are also essential to processing bio-mass in the attempt to use ethanol as a fuel source. The FGSC is funded largely by a grant from the National Science Foundation (Award Number 0235887) of the United States of America. Sponsors: Supported by a grant from the National Science Foundation.

Synonyms: FGSC

Resource Type: biomaterial supply resource, material resource, organism supplier

Keywords: drug, fungal genetic, fungus, animal, basic research knowledge base, database, disease, plant, FASEB list

Funding: NSF G12967

Resource Name: Fungal Genetics Stock Center

Resource ID: SCR_008143

Alternate IDs: nif-0000-20977

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260808T185857+0000

Ratings and Alerts

No rating or validation information has been found for Fungal Genetics Stock Center.

No alerts have been found for Fungal Genetics Stock Center.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 198 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Georgiou X, et al. (2026) VapA/Scs2 sustains polarized growth in Aspergillus nidulans by maintaining AP-2-mediated apical endocytosis. Microbial cell (Graz, Austria), 13, 63.

Oostlander AG, et al. (2026) Characterization of EOP-1 reveals cell autonomous oscillations preceding somatic cell fusion in Neurospora crassa. PLoS genetics, 22(3), e1012087.

Víglaš J, et al. (2026) Neurospora crassa ?ccg-8 compromises cell surface integrity and antifungal tolerance: Insights from in vitro and Galleria mellonella studies. Cell surface (Amsterdam, Netherlands), 15, 100172.

Feng C, et al. (2026) Microglia sense fungal infections through capsular components from capillary-bound Cryptococcus neoformans via endothelial nucleotide signaling. PLoS biology, 24(2), e3003642.

Jacquat AG, et al. (2025) The Growth, Pathogenesis, and Secondary Metabolism of Fusarium verticillioides Are Epigenetically Modulated by Putative Heterochromatin Protein 1 (FvHP1). Journal of fungi (Basel, Switzerland), 11(6).

Drescher F, et al. (2025) Transcriptomic and genetic analysis reveals a Zn2Cys6 transcription factor specifically required for conidiation in submerged cultures of Thermothelomyces thermophilus. mBio, 16(1), e0311124.

Tsiourvas D, et al. (2025) The effect of copper on the antifungal activity of polyethyleneimines against quiescent conidia and germlings of Aspergillus nidulans. Scientific reports, 15(1), 25711.

Tsiourvas D, et al. (2025) Copper-Chelated Hyperbranched Polyethyleneimines with Antifungal Activity against quiescent conidia and germlings of the opportunistic fungal pathogen Aspergillus nidulans. Research square.

Ámon J, et al. (2025) A non-canonical fungal peroxisome PTS-1 signal, SYM, and its evolutionary aspects. Scientific reports, 15(1), 28088.

Sárkány O, et al. (2025) Conserved function of a RasGEF-mediated pathway in the metabolic compensation of the circadian clock. The FEBS journal, 292(20), 5335.

Rico-Ramirez AM, et al. (2025) Identification of regions required for allelic specificity at the cell wall remodeling allorecognition checkpoint in Neurospora crassa. Genetics, 230(2).

Huberman LB, et al. (2025) A novel regulator of the fungal phosphate starvation response revealed by transcriptional profiling and DNA affinity purification sequencing. mBio, 16(10), e0202325.

Kadooka C, et al. (2025) Overexpression of the RNA-binding protein NrdA affects global gene expression and secondary metabolism in Aspergillus species. mSphere, 10(2), e0084924.

Zhou M, et al. (2025) Suppressed Protein Translation Caused by MSP-8 Deficiency Determines Fungal Multidrug Resistance with Fitness Cost. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(6), e2412514.

Sharma A, et al. (2025) Transcriptional control of C. albicans white-opaque switching and modulation by environmental cues and strain background. mBio, 16(5), e0058125.

Bedford E, et al. (2025) Carbon starvation induces coincident capsule and cell wall remodeling in Cryptococcus neoformans. mBio, e0370125.

He Z, et al. (2025) RID is required for both repeat-induced point mutation and nucleation of a novel transitional heterochromatic state for euchromatic repeats. Nucleic acids research, 53(6).

Wang Z, et al. (2025) Core Clock Protein Subcellular Dynamics Coordinate Local and Global Circadian Control in Syncytia. bioRxiv : the preprint server for biology.

Maienza CSD, et al. (2025) Cross-species comparison of AlphaFold-derived G protein-coupled receptor structures reveals novel melatonin-related receptor in Neurospora crassa. PloS one, 20(1), e0318362.

Gray K, et al. (2024) Aspergillus nidulans cell wall integrity kinase, MpkA, impacts cellular phenotypes that alter mycelial-material mechanical properties. Fungal biology and biotechnology, 11(1), 22.