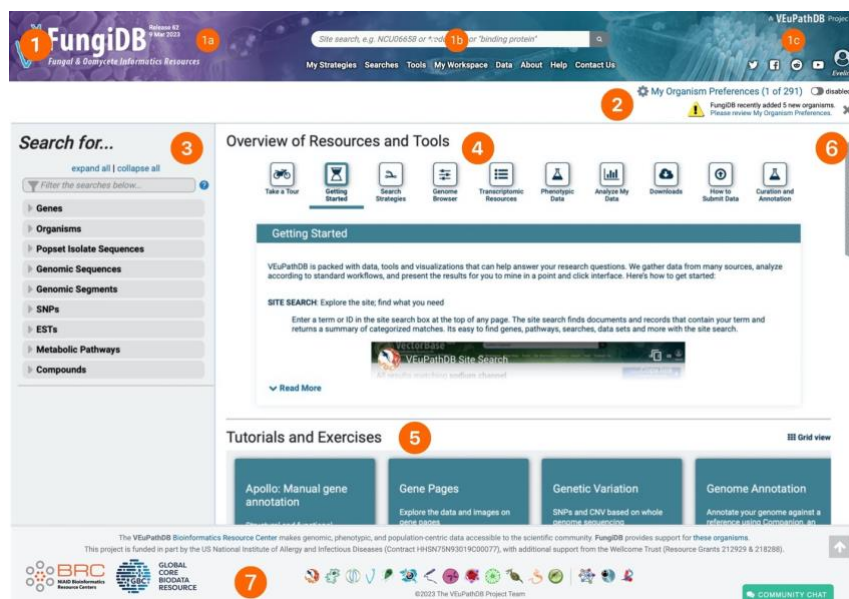# Anatomy of the FungiDB main page

FungiDB is a component of the Eukaryotic Pathogen, Vector and Host Informatics Resource (VEuPathDB.org) that enables browsing, querying, and mining of genomic-scale datasets across diverse groups of organisms including hosts (HostDB.org), invertebrate vectors of human disease, pathogenic and non-pathogenic species, and environmental and epidemiological studies (ClinEpiDB.org).

FungiDB (https://fungidb.org/) is a free online informatics resource for exploration of fungal and oomycete omics data. It provides an easy-to-use, interactive interface to explore genomes, annotation, functional data (transcriptomics or proteomics), metabolic pathways and results from numerous genome-wide analyses (i.e. AlphaFold, InterPro scan, signal peptide and transmembrane domain predictions, orthology, etc.). FungiDB also contains an expanding number fungal and oomycete genomes, including but not limited to plant, animal, and human pathogens. Moreover, FungiDB offers capabilities for private data analysis via the integrated VEuPathDB Galaxy – My Workspace platform. FungiDB also permits genome improvements by capturing expert knowledge through the User Comments system and the Apollo genome annotation editor for structural and functional gene curation.

1. Banner: It includes 1a) release cycle information on the left, 1b) site search and menus centrally, providing access to nearly all searches, tools, and records in FungiDB, and 1c) account management and social media links on the right.
2. My Organism Preferences Filter: It is located directly below the banner and allows users to tailor database searches to a specified list of organisms.
3. Left the "Search for…" panel: Offers easy access to a categorized list of searches mirroring the options available in the "Searches" menu within the banner for consistent accessibility during site navigation.
4. Overview of Resources & Tools Section: Centrally located, it provides short tutorials on how to use FungiDB.
5. Tutorials and Exercises: Positioned immediately under the Overview of Resource & Tools section. It offers comprehensive educational resources featuring in-depth overviews and exercises.
6. News & Tweets Section: Positioned on the right, this expandable section keeps users informed about new datasets, tools, features, and X (formerly Twitter) updates.
7. The footer. It contains links to other VEuPathDB databases and relevant resources. Additionally, there is a link to the community chat app where users can ask questions about how to use FungiDB resources.