ZFIN Database Information

Zebrafish Information Network

Background:

A group of zebrafish researchers were appointed at the 1994 Cold Spring Harbor meeting on zebrafish genetics and development, to establish an on-line database of information for zebrafish as a model organism.

The resulting database, The Zebrafish Information Network (ZFIN) (https://zfin.org/), is the database of genetic and genomic data for the zebrafish (Danio rerio) as a model organism. ZFIN provides a wide array of expertly curated, organized and cross-referenced zebrafish genetic and genomic data, including genes, alleles, transgenic lines, gene expression, gene function, phenotypes, orthology, human disease models, nomenclature and reagents.

In 2016, ZFIN joined together with five other model organism databases (WormBase, FlyBase, Mouse Genome Database, Rat Genome Database, Saccharomyces Genome Database) and the Gene Ontology Consortium to form the Alliance of Genome Resources (The Alliance). The primary mission of the Alliance is to develop and maintain sustainable genome information resources that facilitate the use of diverse model organisms in understanding the genetic and genomic basis of human biology, health and disease. This understanding is fundamental for advancing genome biology research and for translating human genome data into clinical utility.

Goals:

The long term goals for ZFIN are a) to be the community database resource for the laboratory use of zebrafish, b) to develop and support integrated zebrafish genetic, genomic and developmental information, c) to maintain the definitive reference data sets of zebrafish research information, d) to link this information extensively to corresponding data in other model organism and human databases, e) to facilitate the use of zebrafish as a model for human biology and f) to serve the needs of the research community.

ZIRC is the Zebrafish International Resource Center, an independent NIH-funded facility providing a wide range of zebrafish lines, probes and health services. ZFIN works closely with ZIRC to connect our genetic data with available probes and fish lines.

Citing ZFIN:

We recommend the following formats for citing ZFIN in publications:

1. For a general reference to the database:


2. For citing a specific entry in ZFIN:

[Type of data for this paper were retrieved from the Zebrafish Information Network (ZFIN), University of Oregon, Eugene, OR 97403-5274; URL: http://zfin.org/; [the date you retrieved the data cited].

Research staff:

Monte Westerfield, P.I.; Doug Howe, Data Curation Manager; Anne Eagle, Technical Manager; and the rest of the ZFIN Database Team.

Advisory board:

- Carol Bult, The Jackson Laboratory Cancer Center
- Shawn Burgess, National Human Genome Research Center, National Institutes of Health
- Jeffrey De Pons, Medical College of Wisconsin
- Richard Dorsky, Director of Neuroscience, University of Utah
- John Postlethwait, University of Oregon
- Paul Sternberg, Wormbase.

Publications:


Participatory Design for Widely-Distributed Scientific Communities.