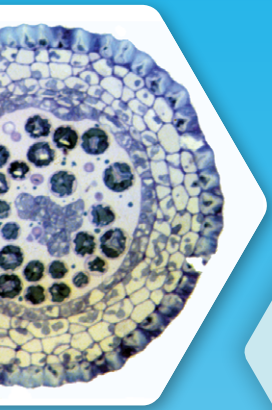
GENEALOGY OF LIFE

GoLife



UNDERSTANDING BIODIVERSITY AND HOW IT CHANGES OVER TIME IS BEST ENABLED WHEN EARTH'S DIVERSITY IS ORGANIZED INTO A PHYLOGENETIC FRAMEWORK.

GoLife GOALS

1. to resolve the phylogenetic history of all life's lineages—living, extinct, and poorly known—using an open access, dynamic format; and

2. to synthesize as much organismal data as possible with this genealogy of life, creating an evolutionary framework for comparative biology.

GoLife
PRIORITIES

1. **TAXONOMIC COMPLETENESS:** contains all described species.

2. **DATA COMPLETENESS:** integrates diverse data layers (e.g. digitized images, specimen collection information, environmental and habitat data, geographic and stratigraphic distributions, genomic and phenomic data, developmental data and ontologies, fossil records).

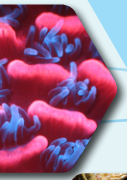
3. **A DYNAMIC AND OPEN STRUCTURE:** facilitates growing knowledge of biodiversity over time and enables comparative analyses spanning the complete diversity of life.

4. **TRAINING OF NEXT GENERATION PHYLOGENETIC BIOLOGISTS:** integrative training in diverse fields across comparative evolutionary biology.

PROPOSAL INFORMATION

Visit the Genealogy of Life Program Summary page at **http://go.usa.gov/3vmyB**

ANNUAL DEADLINE FOR SUBMISSION: FOURTH WEDNESDAY IN MARCH



ALL GOLIFE PROPOSALS SHOULD:

1. massively increase taxonomic and character data space;
2. significantly contribute to the advancement of our understanding of life's genealogy;
3. integrate numerous layers of organismal data;
4. connect to ongoing AVAToL projects;
5. integrate student training; and
6. focus on poorly sampled clades or data layers—areas where new data will have a profound impact on our understanding of the pattern of life's evolution.

GOLIFE
NATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22230
NSF.GOV

NSF 15-102