

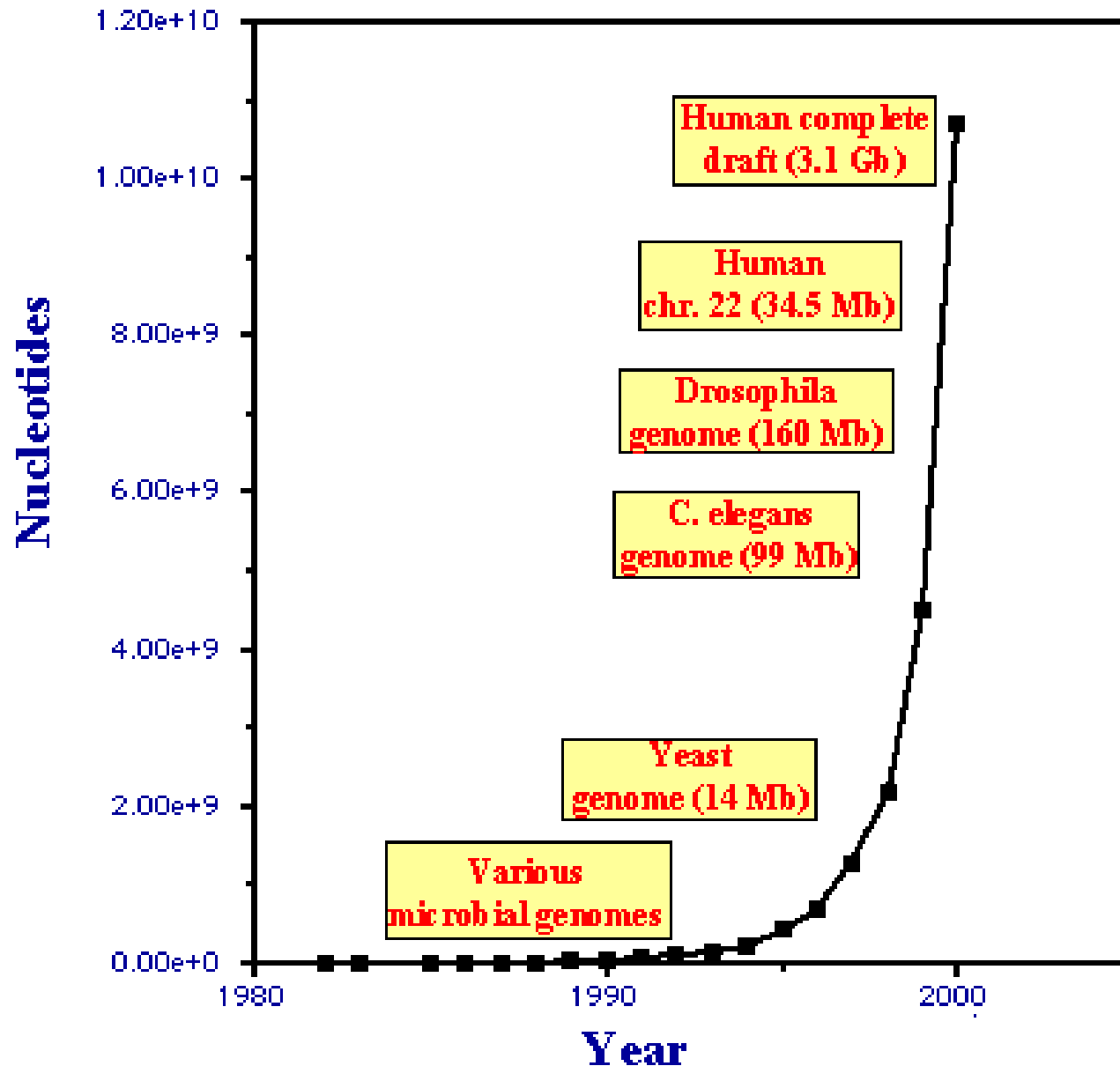


**E-BioSci**  
a platform for e-publishing and  
information integration in the life  
sciences

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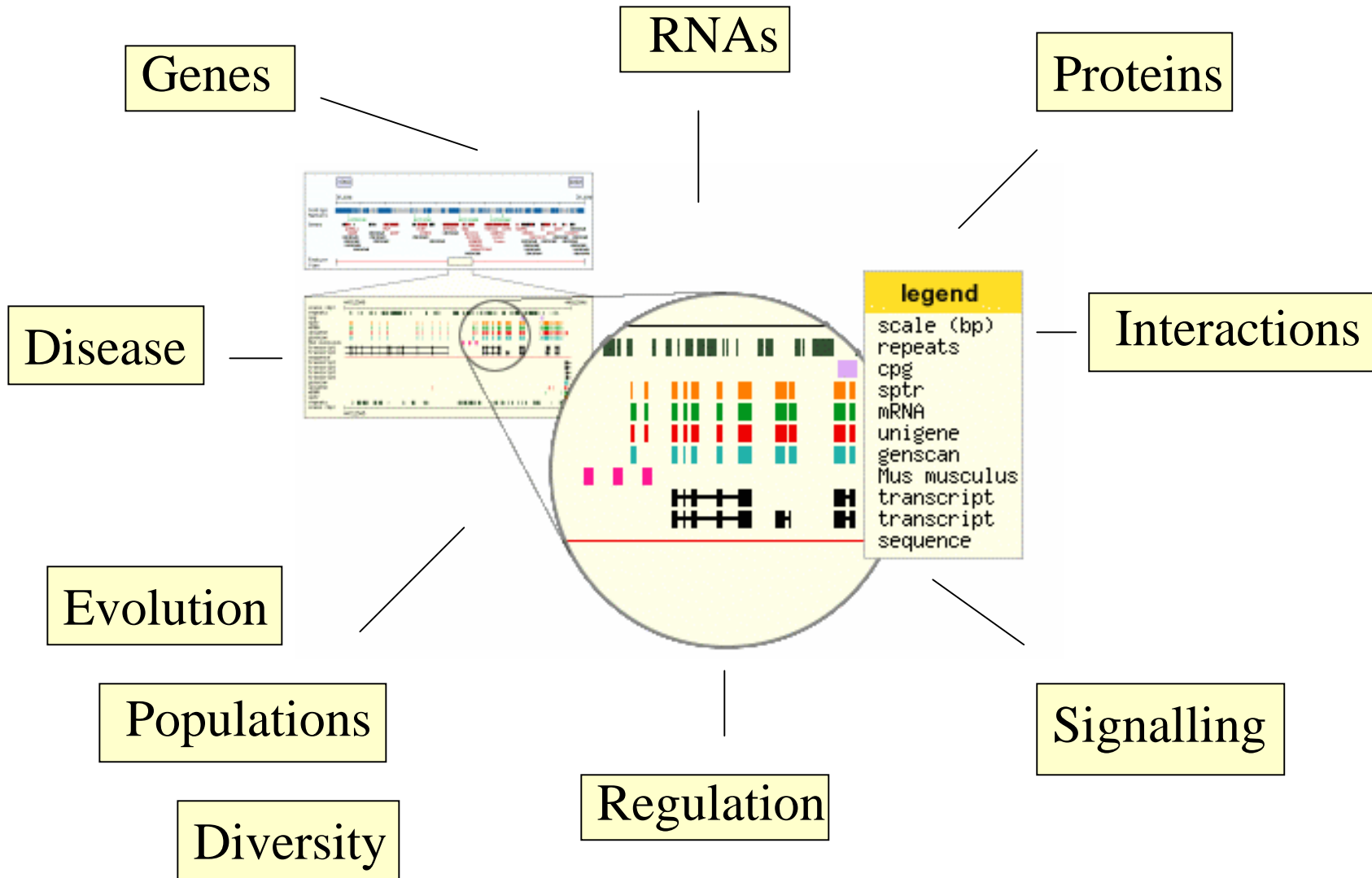
# Exponential database growth (EMBL database)

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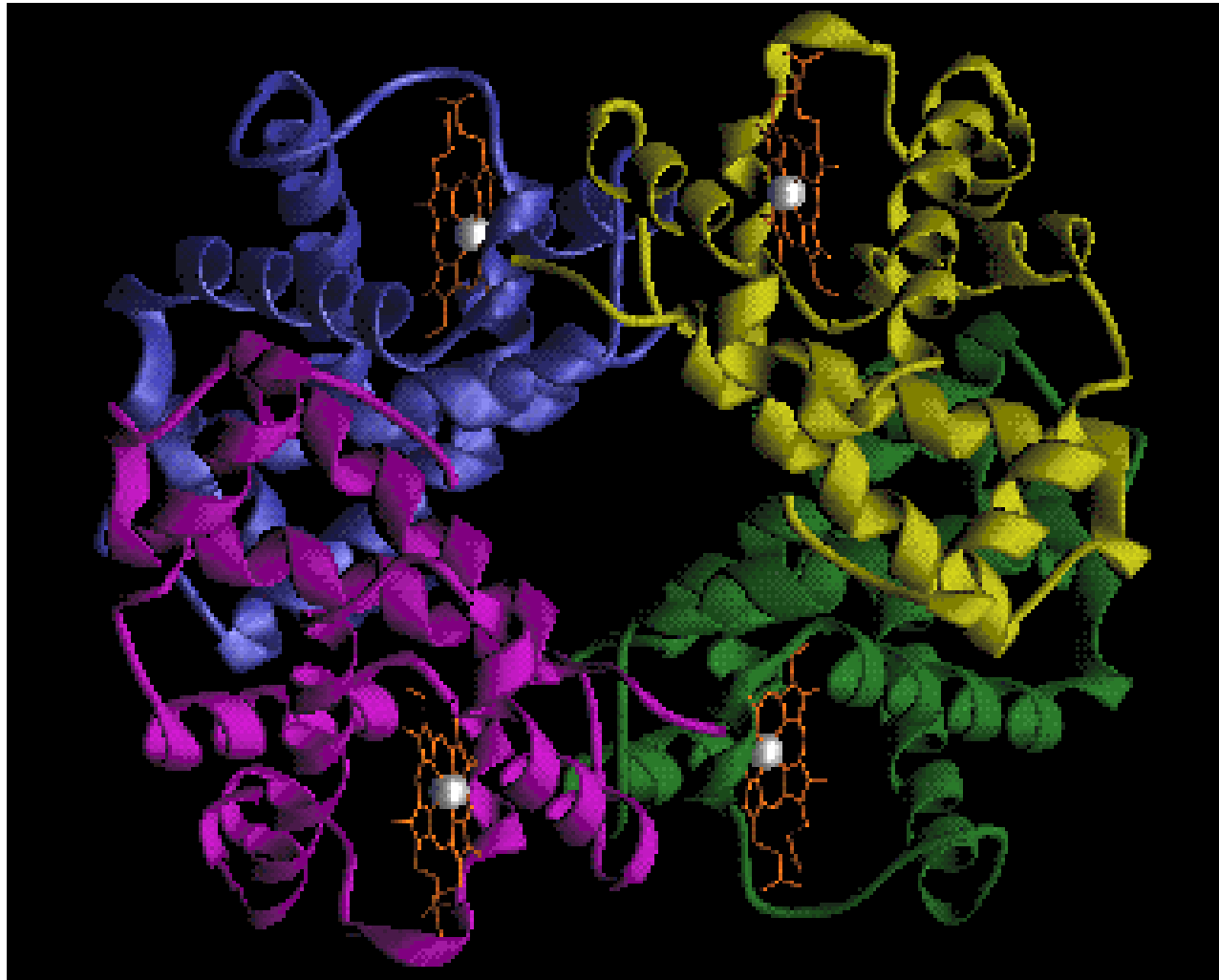
# The many facets of genomics

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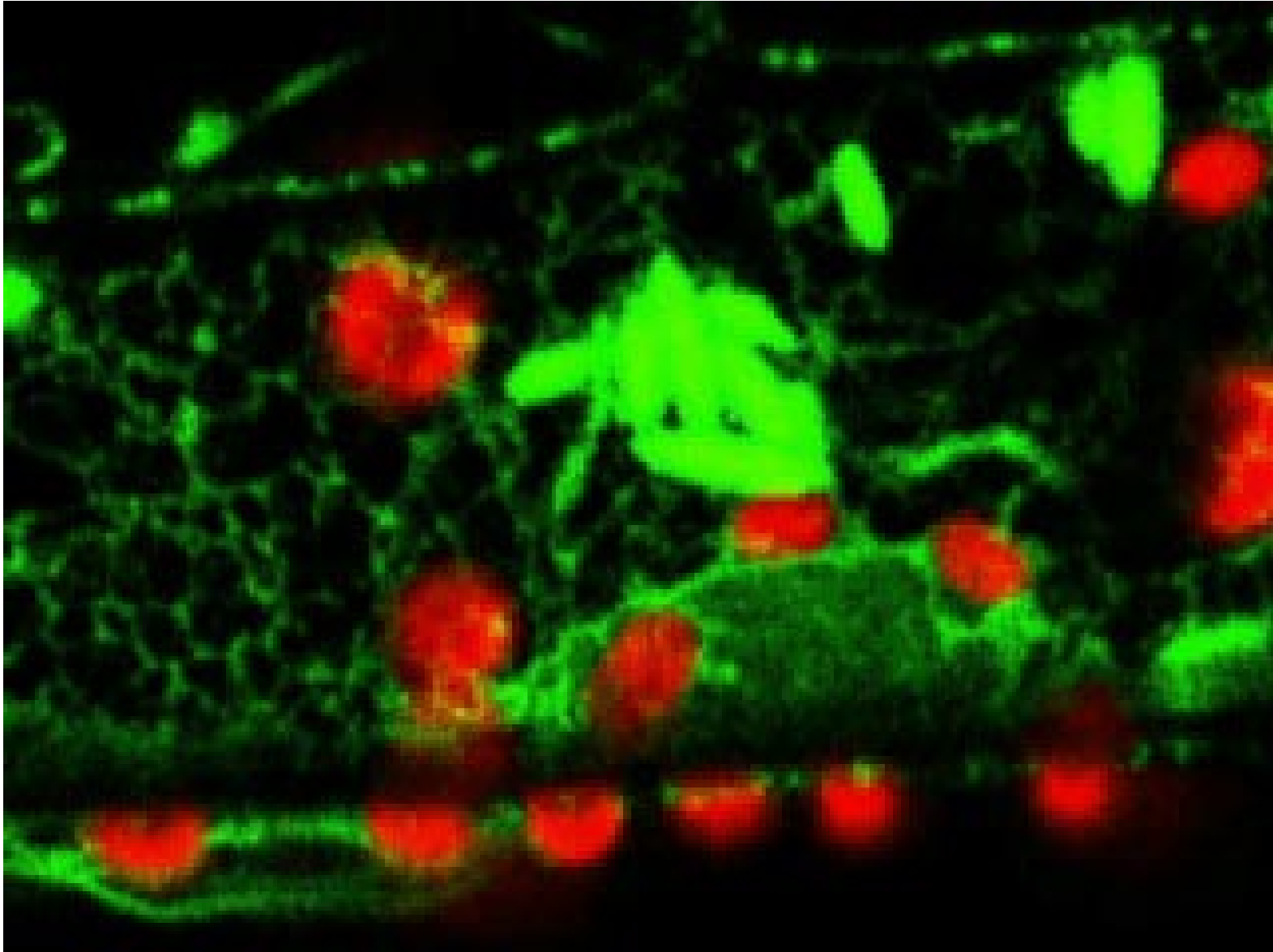
# Molecules in motion

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## Viewing the world of the living cell

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# Paper is becoming an inadequate medium...

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- Some data (types) require more space than is available
- Some data (3-D structures, movies) cannot be printed
- The reader may wish to have the data in computer-readable form

The paper publication is becoming simply a summary pointer to the electronic version

# Retrieving information in an ideal world...

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- Interconnect
- Search/navigate/explore
- Access information
- Extract/manipulate
- Analyze
- Integrate and visualise



# Hurdles to information exchange

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- Heterogeneous nature of biological information
- Absence of a uniform, scalable and generally-implementable means of database linking
- Varying degrees of access to full text information







# E-BioSci

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- Distributed network of information resources
- Europe-based; world-wide role
- Multiple entry points; different language formats
- Access to abstracts, full text, factual databases, multi-media
- Effective linkages between databases and literature
- Host and archive for peer-reviewed e-publications

# Why insist on peer-review?

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- Authors rely on the perceived quality of their publications as support for funding applications and career advancement
- Readers want guarantees that technical standards have been met, that the conclusions are adequately supported by the experimental data and that the presentation meets acceptable standards of clarity

## E-BioSci differs from PubMed Central

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- Will **NOT** insist on transfer of information
- **WILL** work in cooperation with content owners
- Will **NOT** contain material that is not refereed or that does not meet its criteria of scientific quality
- **WILL** permit e-publication on multiple sites



# E-BioSci's goals

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- To encourage standard protocols for access rights verification
- To promote wider use of structured documents
- To strive for increased connectivity of digital objects
- To aid development of full-text search tools
- To stimulate provision of free access to information
- To encourage conversion of back literature to digital form

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- European Molecular Biology Conference (EMBC)
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- Publishers

