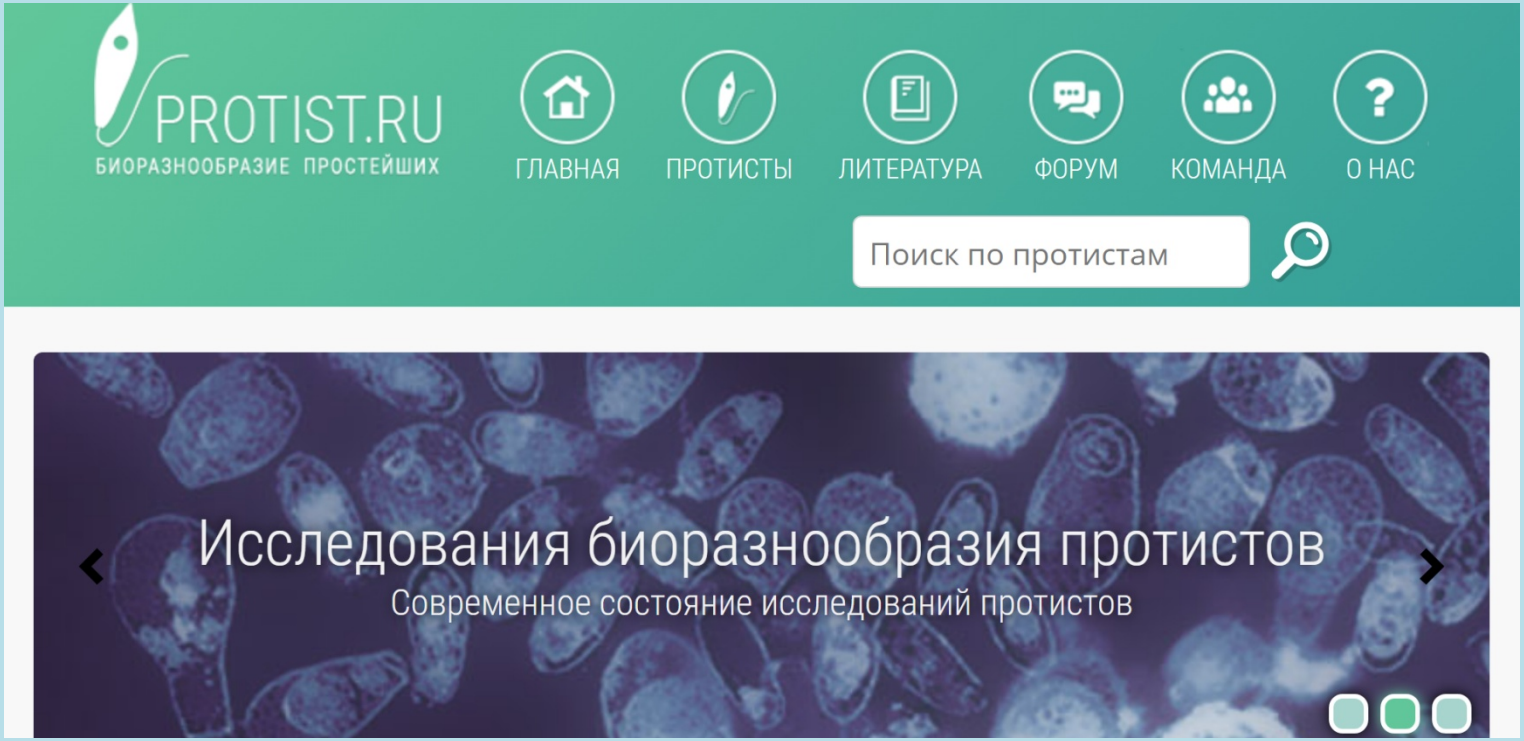
# Интегрированная информационная web-система по биоразнообразию протистов «PROTIST.RU»

integrated information web-system on a biodiversity of protists

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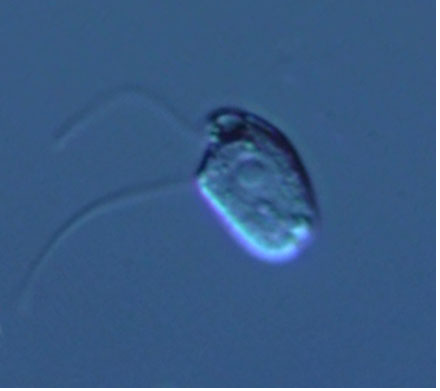
**Борок (ИБВВ РАН), Пенза (ПГУ), Москва (МГУ), Оренбург (ИКВС УрО РФН), Россия**



# Важность инвентаризации, интеграции и систематизации данных по протистам

***Importance of inventory, integration and systematization of protistological data***

- Важнейшая роль протистов в функционировании экосистем.
  *Major role of protists in ecosystem functioning*

- Протисты – биоресурс и основа научно-технических и технологических направлений
  *Protists as a resource for biotechnologies*

- Протисты в палеоэкологии и индикация глобальных изменений климата
  *Protists in paleoecological reconstruction and global climate change indication*

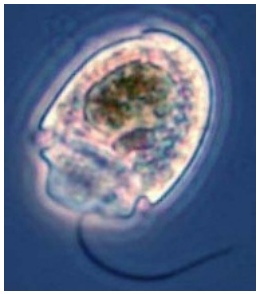
- Протисты – важнейшие глубокие ветви эволюции эукариот
  *Protists as a major deep-branching evolutionary lineages of eukaryotes*

**Необходимость систематизиции данных и адекватной таксономии на видовом уровне!**

***Data systematization and appropriate taxonomy are needed!***

✓ **Уникальная коллекция живых культур протистов ИБВВ РАН:**
**более 200 клонов различных видов жгутиконосцев, амебофлагеллят, солнечников**

***Unique collection of live protist cultures at IBIW RAS:***
***more than 200 clones of flagellates, amoeboflagellates, and heliozoans***

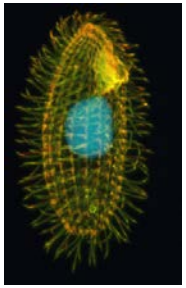


Alexander Mylnikov

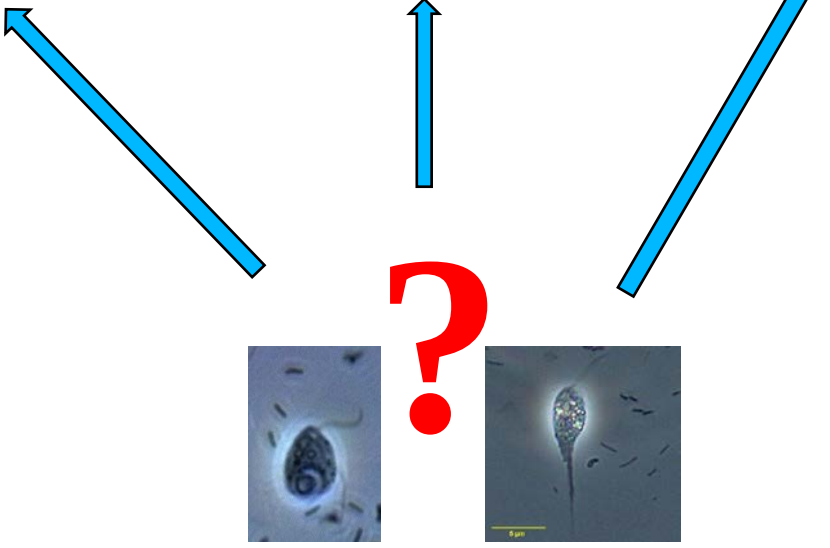
**Царство Растений Kingdom Plantae**

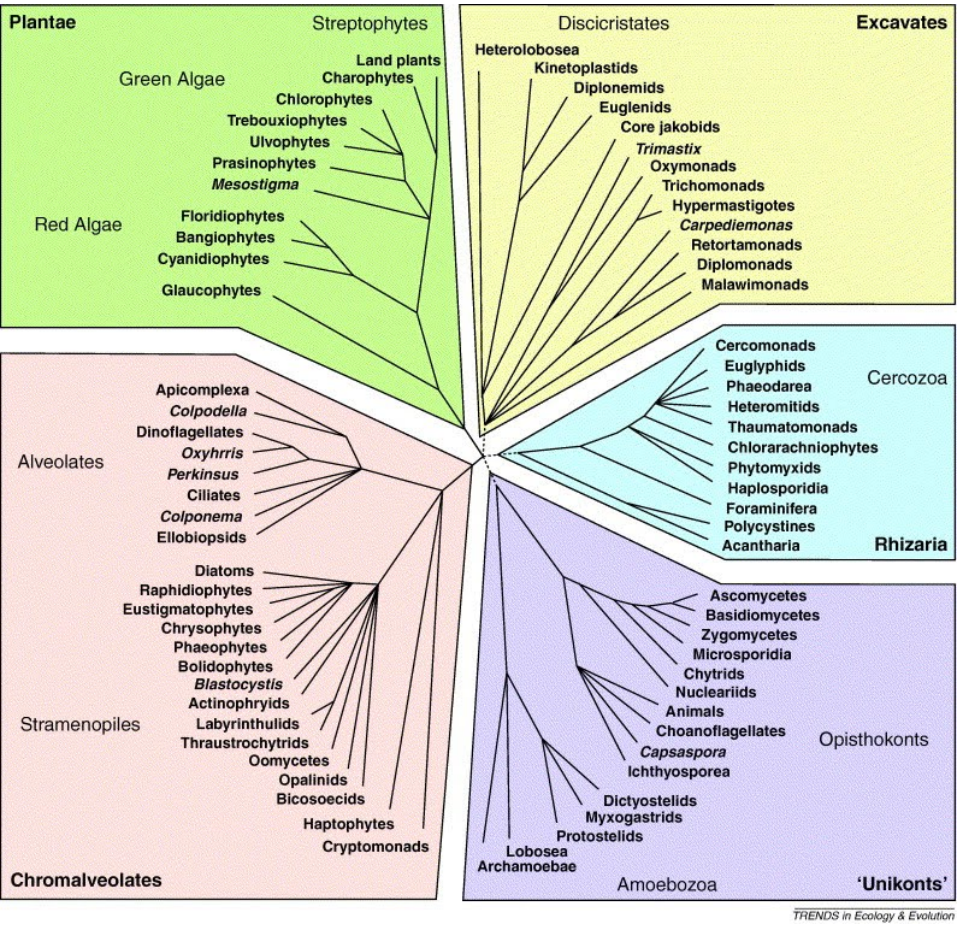
**Царство Животных Kingdom Animalia**

**Царство Грибов Kingdom Fungi**



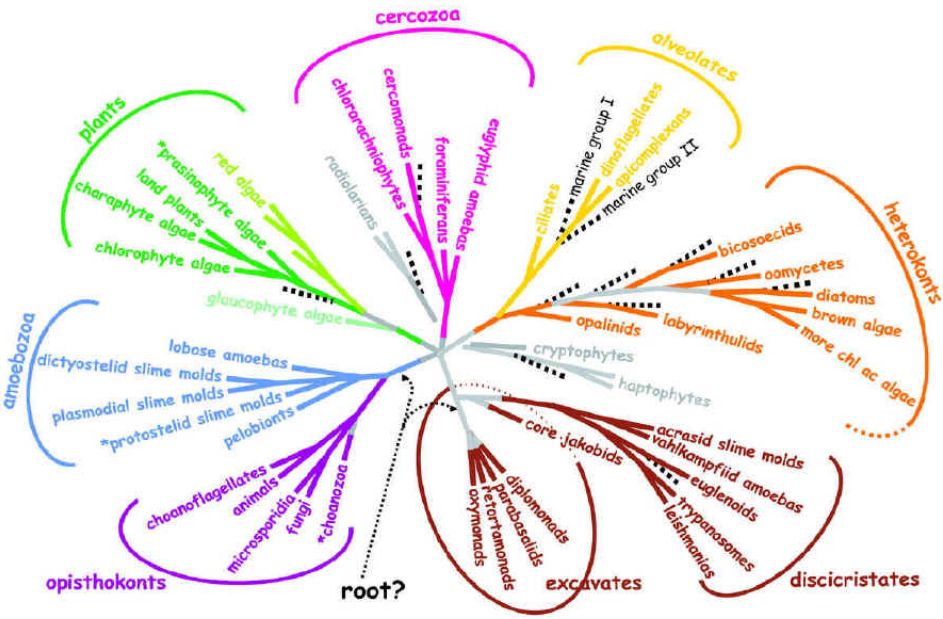
**Царство Простейших Kingdom Protista**






Филогенетическое дерево эукариот
*Phylogenetic tree of eukaryotes*

(по: Keeling et al. 2005: Trends Ecol. Evol. 20).




Филогенетическое дерево эукариот
*Phylogenetic tree of eukaryotes*

(по: Baldauf, 2003: Science 300)

*The Journal of*
**Eukaryotic Microbiology**

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# The Revised Classification of Eukaryotes

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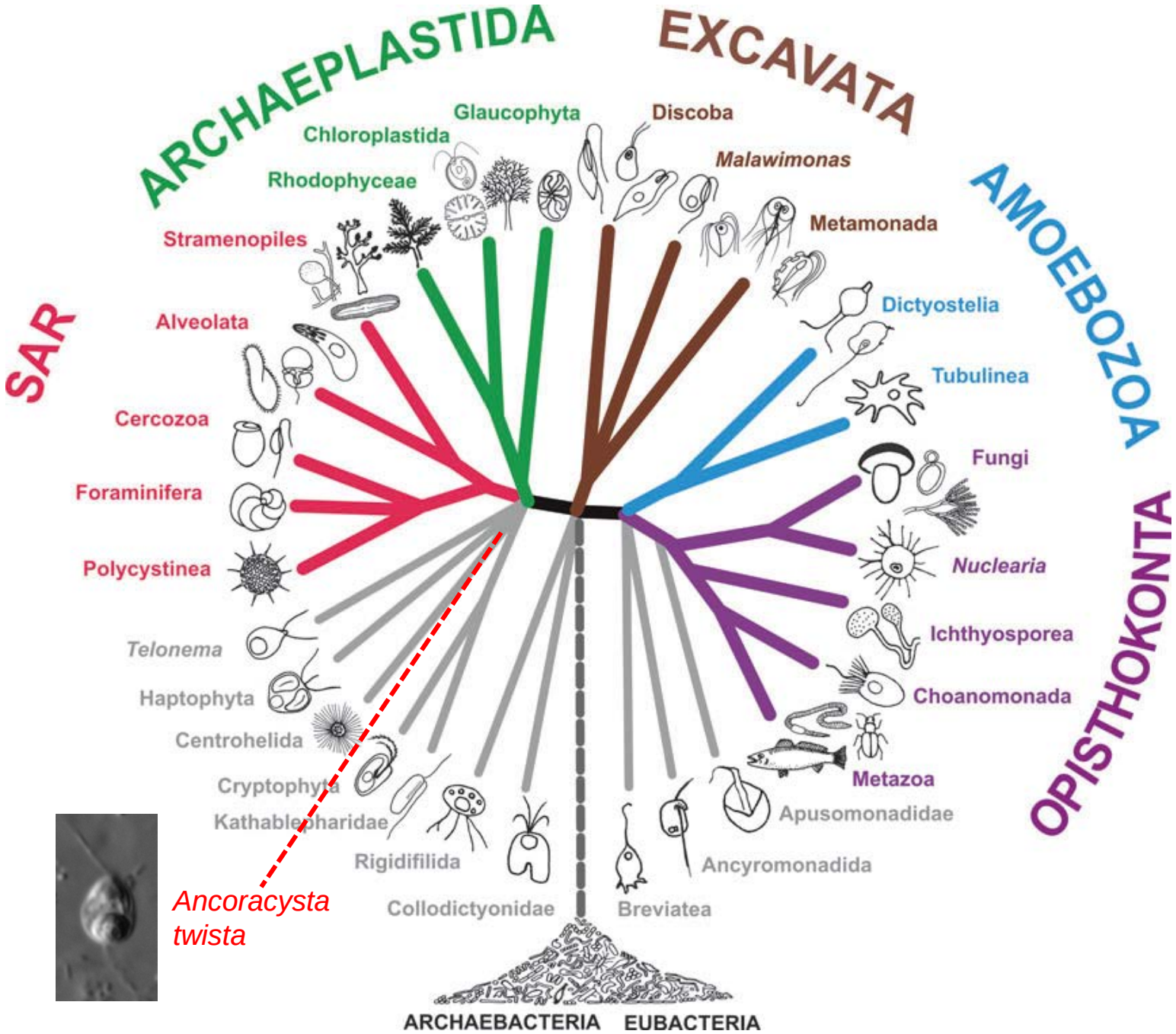
ARCHAEPLASTIDA
EXCAVATA
AMOEBOZOA
OPISTHOKONTA
SAR
Glaucophyta
Chloroplastida
Rhodophyceae
Stramenopiles
Alveolata
Cercozoa
Foraminifera
Polycystinea
Telonema
Haptophyta
Centrohelida
Cryptophyta
Kathablepharidae
Rigidifilida
Collodictyonidae
Discoba
Malawimonas
Metamonada
Dictyostelia
Tubulinea
Fungi
Nucleariа
Ichthyosporea
Choanomonada
Metazoa
Apusomonadidae
Ancyromonadida
Breviatea
Ancoracysta twista
ARCHAEBACTERIA
EUBACTERIA




## The 2018 Top 10

Listed in alphabetical order by scientific name — species are not ranked

- Information for the Media
- News Release

SHARE:

**Protist** *(Ancoracysta twista)*

**Atlantic forest tree** *(Dinizia jueirana-facao)*

**Amphipod** *(Epimeria quasimodo)*

**Baffling Beetle** *(Nymphister kronaueri)*

**Tapanuli Orangutan** *(Pongo tapanuliensis)*

**Swire's Snailfish** *(Pseudoliparis swirei)*

**Heterotrophic Flower** *(Sciaphila sugimotoi)*

**Volcanic Bacterium** *(Thiolava veneris)*

**Marsupial Lion** *(Wakaleo schouteni)*

**Cave Beetle** *(Xuedytes bellus)*

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Rankings

Academics

Admission


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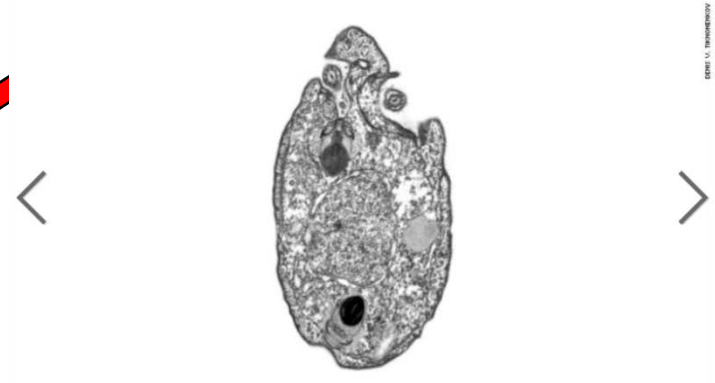
# Meet the top 10 new species of 2018

By **Ashley Strickland**, CNN

Updated 0948 GMT (1748 HKT) May 23, 2018



**Photos:** Top 10 new species of 2018

Here are the top ten new species of 2018, presented by their name and where they were found.

Protist (Ancoracysta twista)
Location: An aquarium in San Diego

1 of 10 Hide Caption