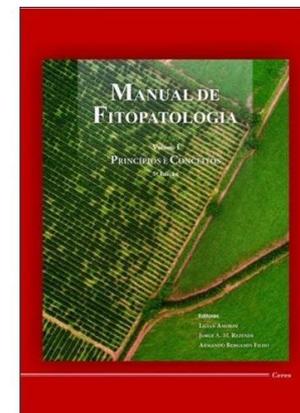


OS FUNGOS



- Pelczar vol. 1, capítulo 10, pags. 258-271, 1996.
- Microbiologia de Brock, p. 555-562. (STOA)
- Manual de Fitopatologia v. 1, cap. 8, 2018.



5ª. edição

6. CLASSIFICAÇÃO DOS FUNGOS

Em qual grupo dos seres vivos estão os fungos?

Domínio Archaea

Domínio Bacteria

Reino Protozoa

Reino Chromista

Reino Fungi

Reino Plantae

Reino Animalia

Myxogastrea e Phytomyxea
(Mixomicetos e Plasmodiophoromicetos)

Oomicetos

“fungos”

Fungos

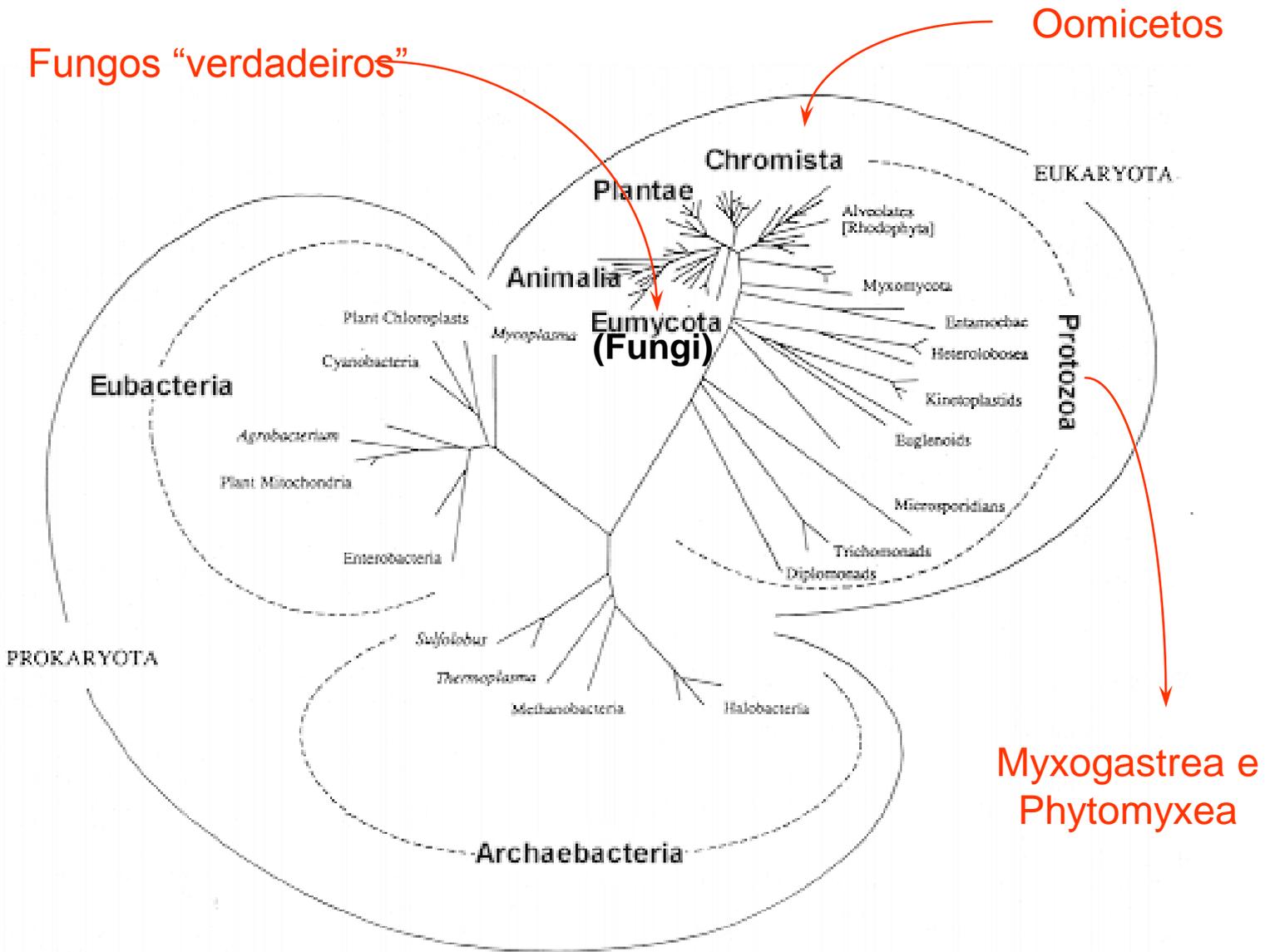
Zigomicetos

Basidiomicetos

Ascomicetos

Fungos Anamórficos

“FUNGO” é um termo genérico, representa um grupo polifilético de microrganismos



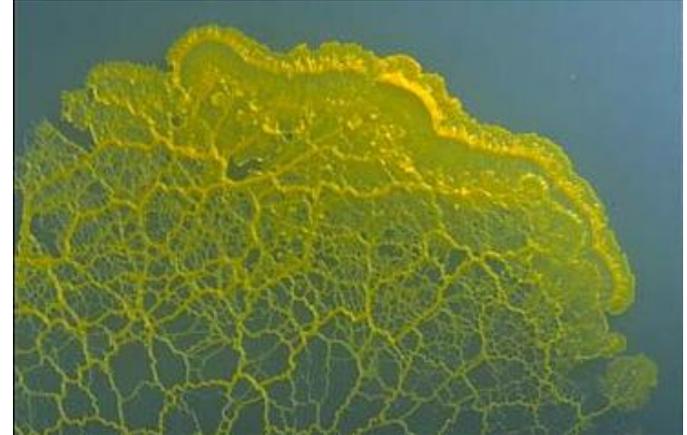
Grupos importantes de Hongos

Reino Protozoa

(Myxogastrea e Phytomyxea)

Características:

- Talo somático sem parede celular (plasmódio)
- Plasmódio: somente membrana, multinucleado
- Nutrição por ingestão (engolfamento)



Ex: *Plasmodiophora brassica* (hérnia das crucíferas)

Plasmódio
intracelular



Ciclo de vida de Myxogastrea: uma fase ameba e outra fúngica

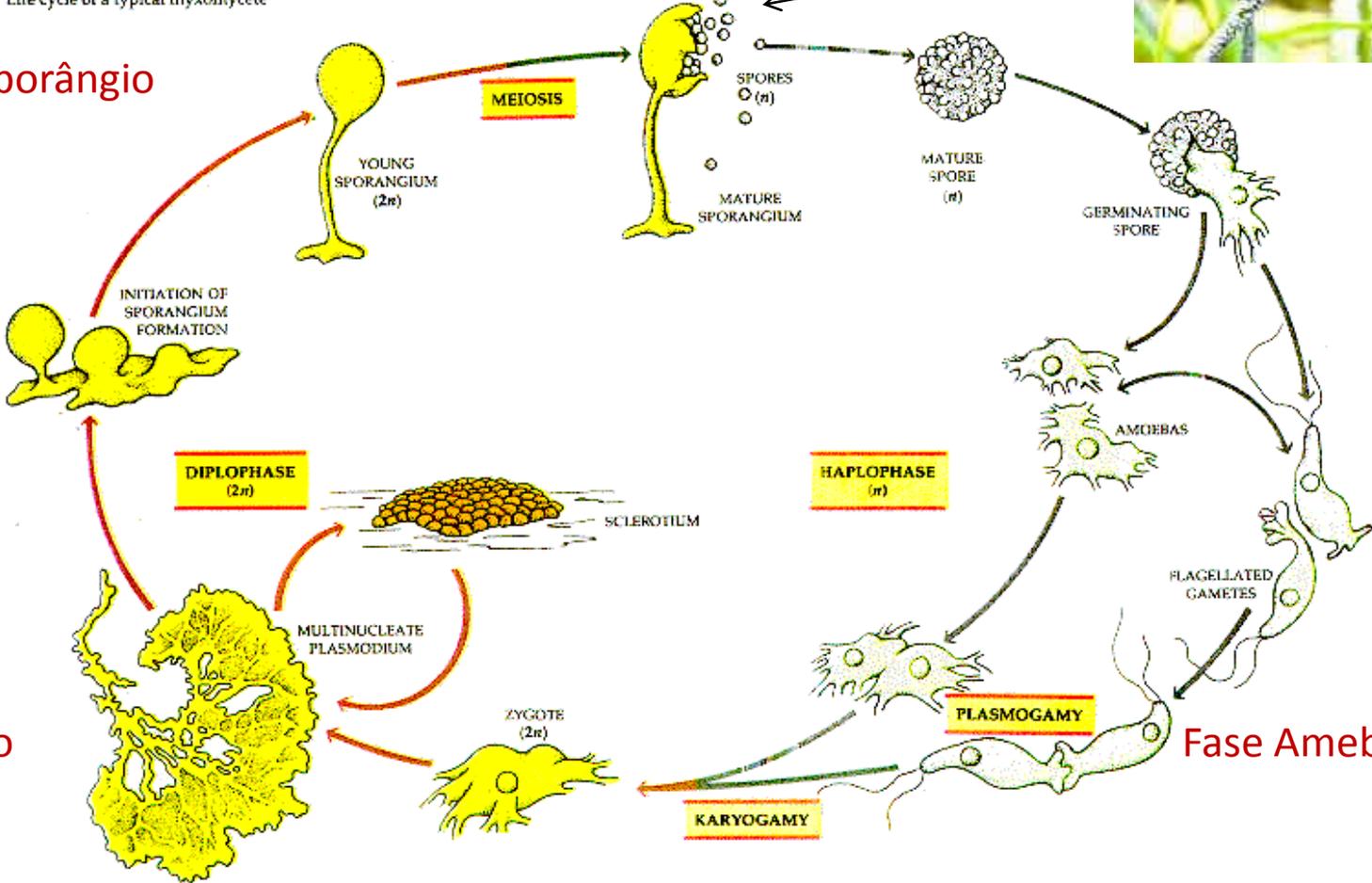
From the transparencies to accompany Peter H. Raven, Ray F. Evert, and Susan E. Eichhorn, *Biology of Plants*, 5th edition. Worth Publishers, New York, 1992. Reproduced with permission.

Transparency 44
Figure 13-12, page 256
Life cycle of a typical myxomycete



Fase Fungo

esporângio



plasmódio

Fase Ameba

Myxogastrea e Phytomyxea

“Fungos” do Reino Protozoa

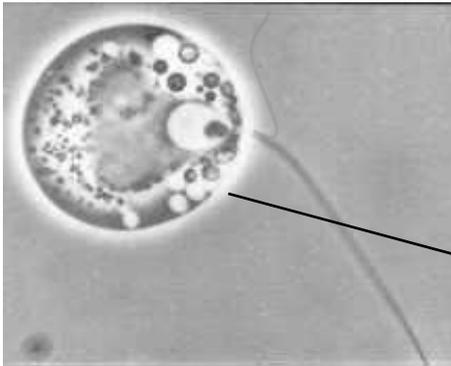


Reino Chromista (Stramenopila)

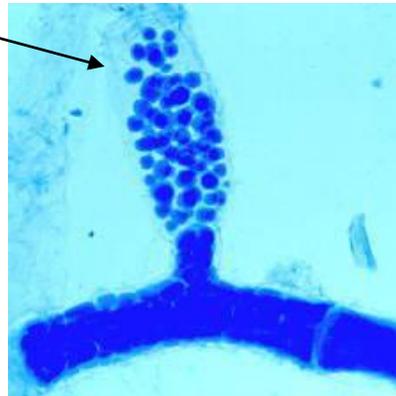
Oomicetos

Características:

- Parede celular celulósica !!
- Hifa sem septos
- Esporos flagelados



Zoósporo
Móvel, com 2 flagelos



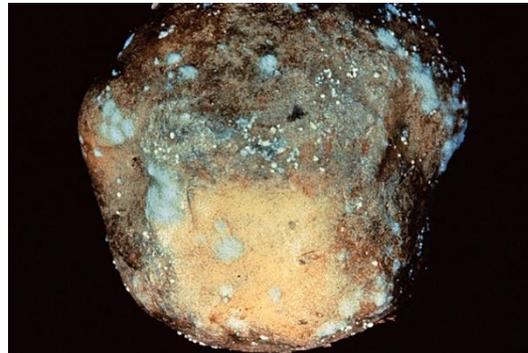
Esporângio contendo
zoósporos

Reino Chromista

Oomicetos



Ex: Phytophthora



Requeima da batata

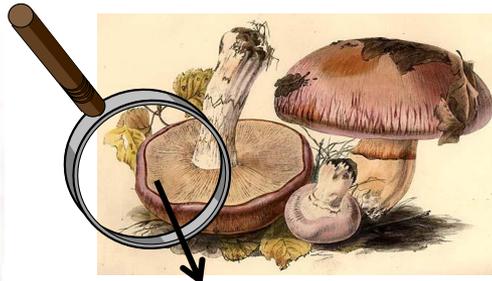
Reino Fungi (Eumicota)

Característica: **Parede celular com quitina e beta-glucana !!**
Esporos imóveis (sem flagelo)

Zigomicetos



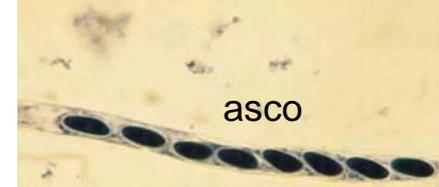
Basidiomicetos



basídio



Ascomicetos



asco



Ex: sarna da macieira

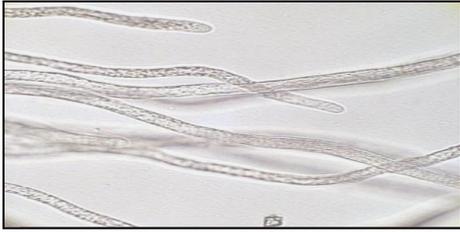
Fungos anamórficos
(somente fase assexuada)



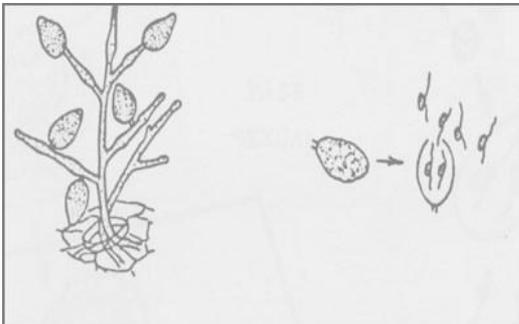
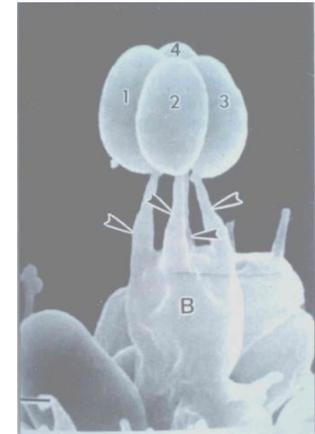
Ex: antracnoses

Ex: Ferrugens





Revisão Chave de Classificação



fim