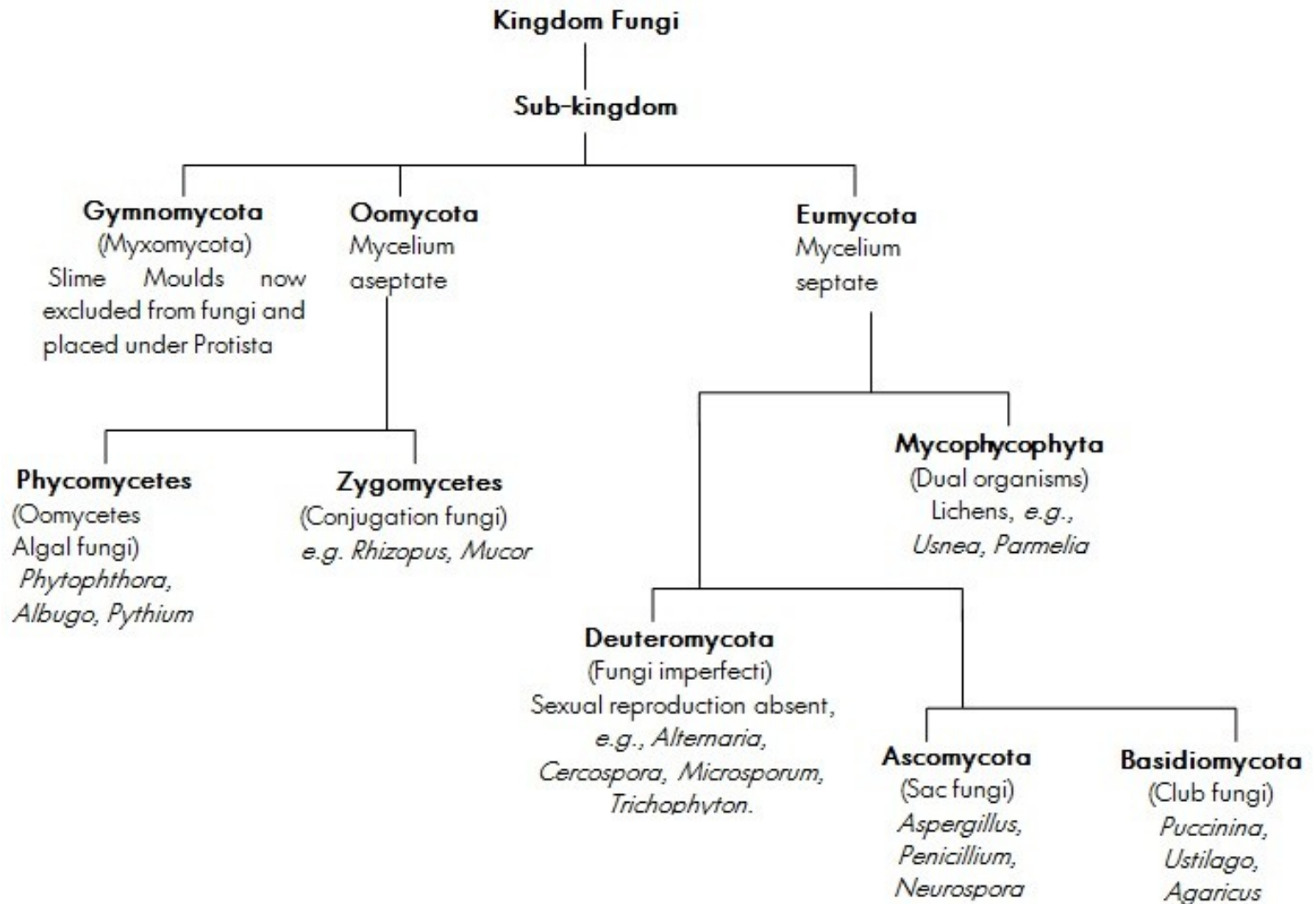


**CORSO DI BOTANICA SISTEMATICA**

# **LEZIONE 50**

**Oomiceti**  
**Myxomiceti**



# **OOMYCOTA (Heterokonta)**

**1) Peronospora della vite  
(*Plasmopara viticola*)**

**2) Peronospora della patata  
(*Phytophthora infestans*)**



**OOMYCOTA:** affini alle alghe brune (non ai funghi!)  
Ife non settate con pareti **cellulosiche**



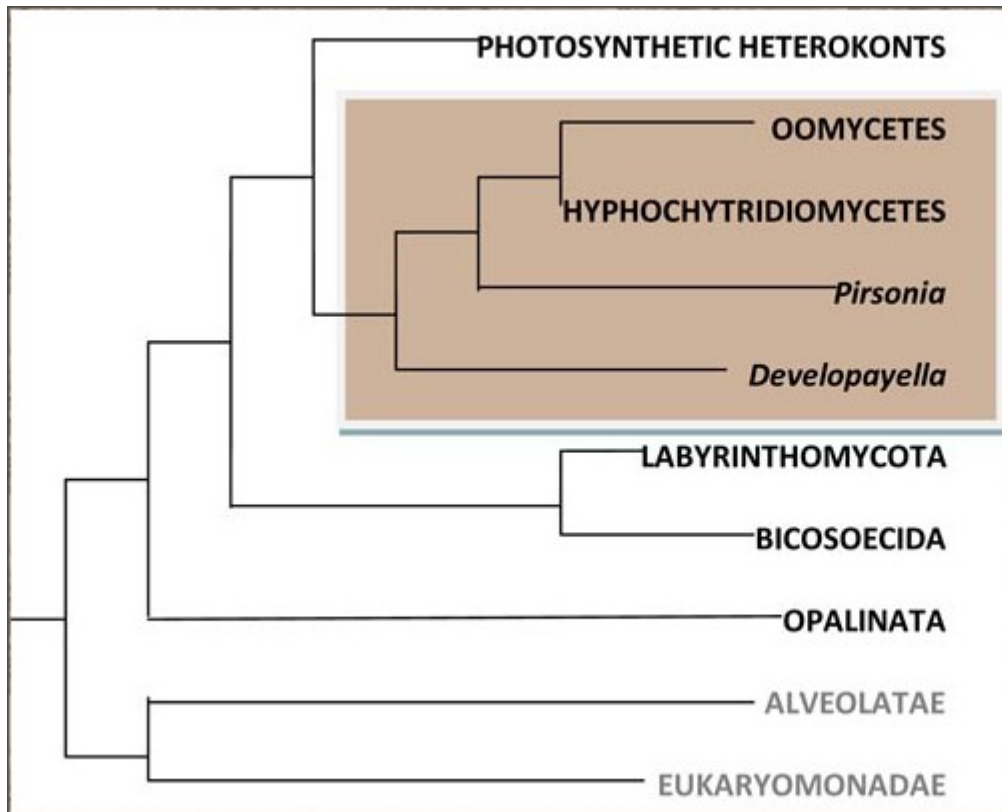
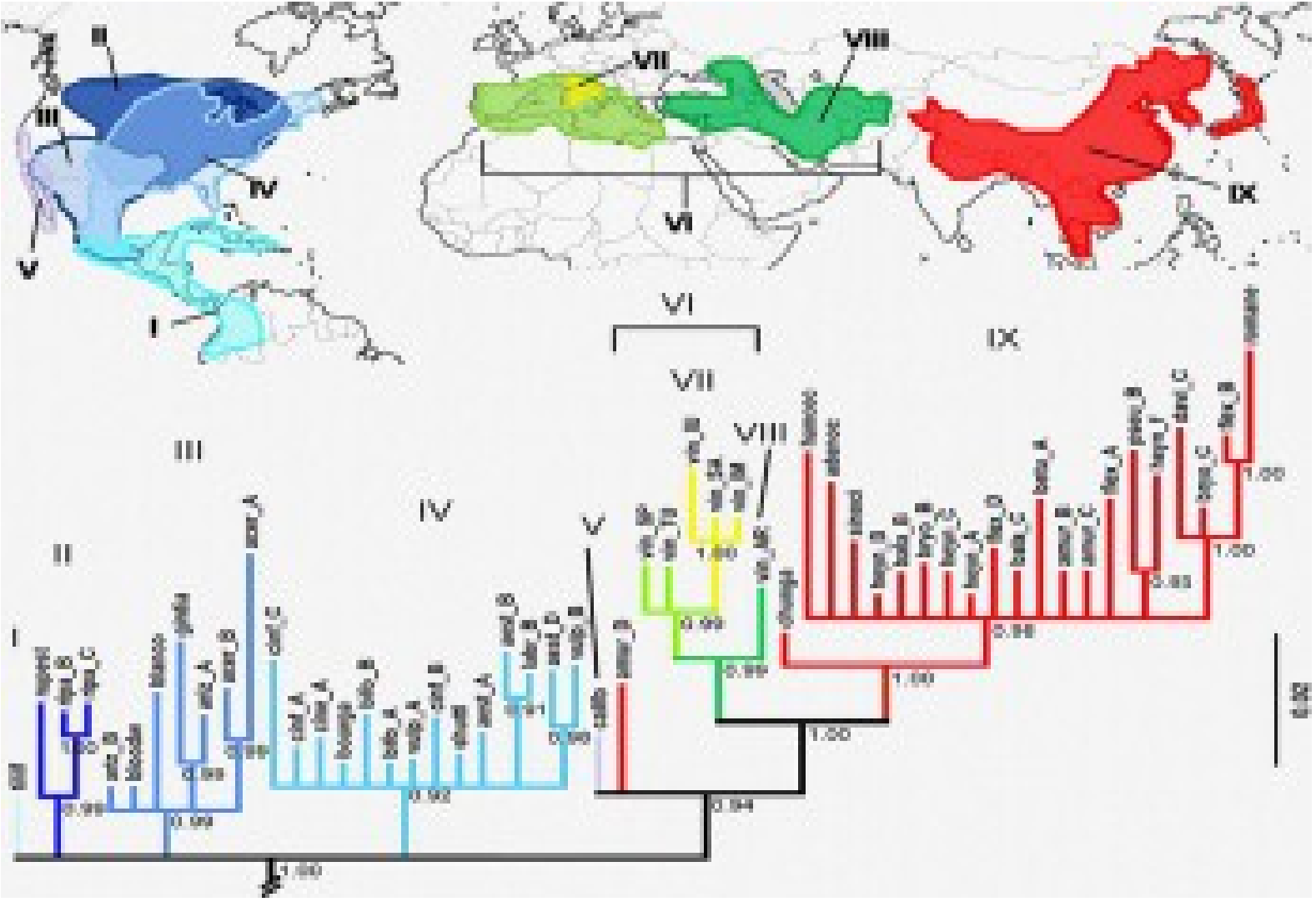
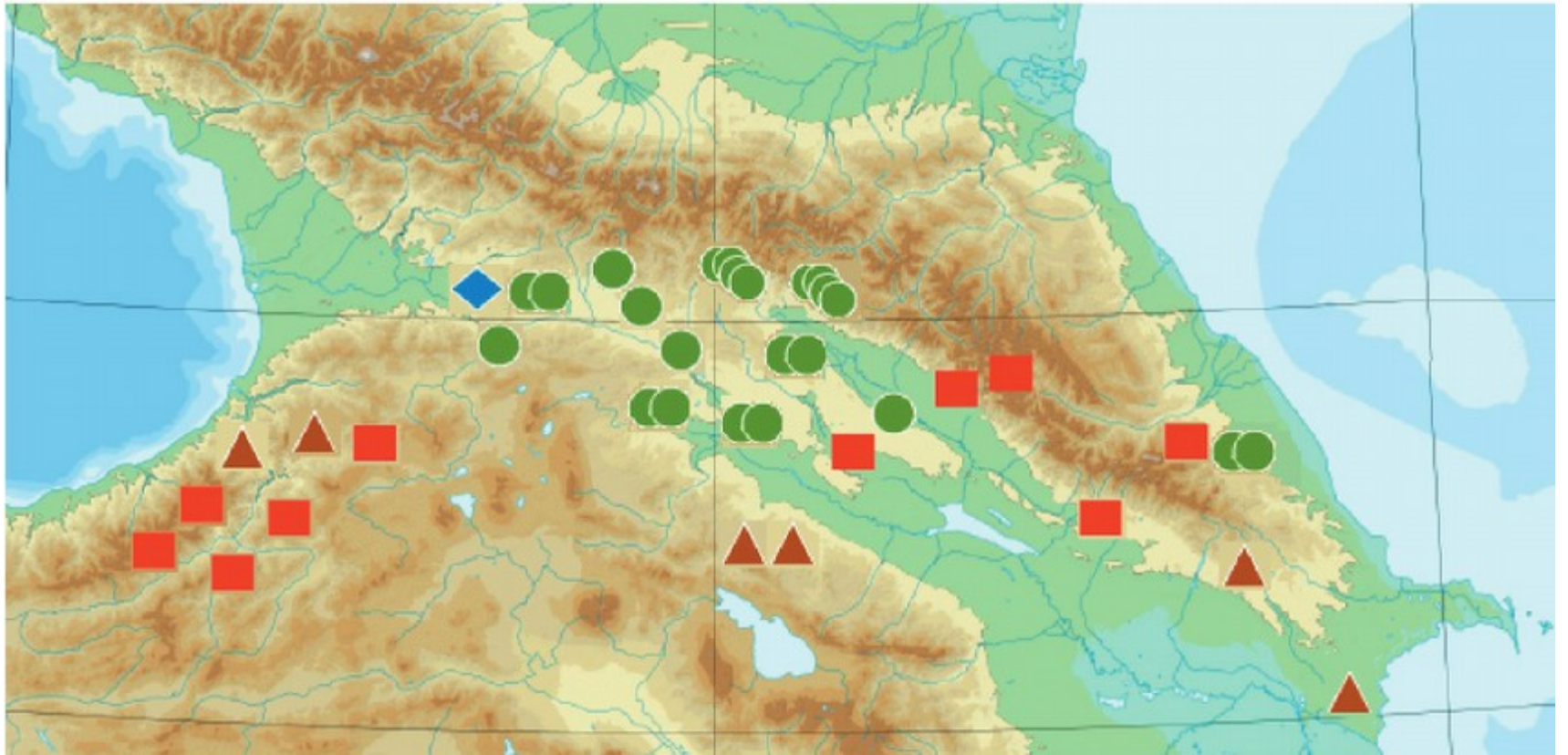


FIGURE 5. A cladogram of the Oomycota sensu lato (taxa in shaded box) within the heterotrophic taxa of the heterokonts (taxa in bold). This is a consensus of many analyses including Andersen (2004), Riisberg et al. (2009), and Brown and Sorhannus (2010).











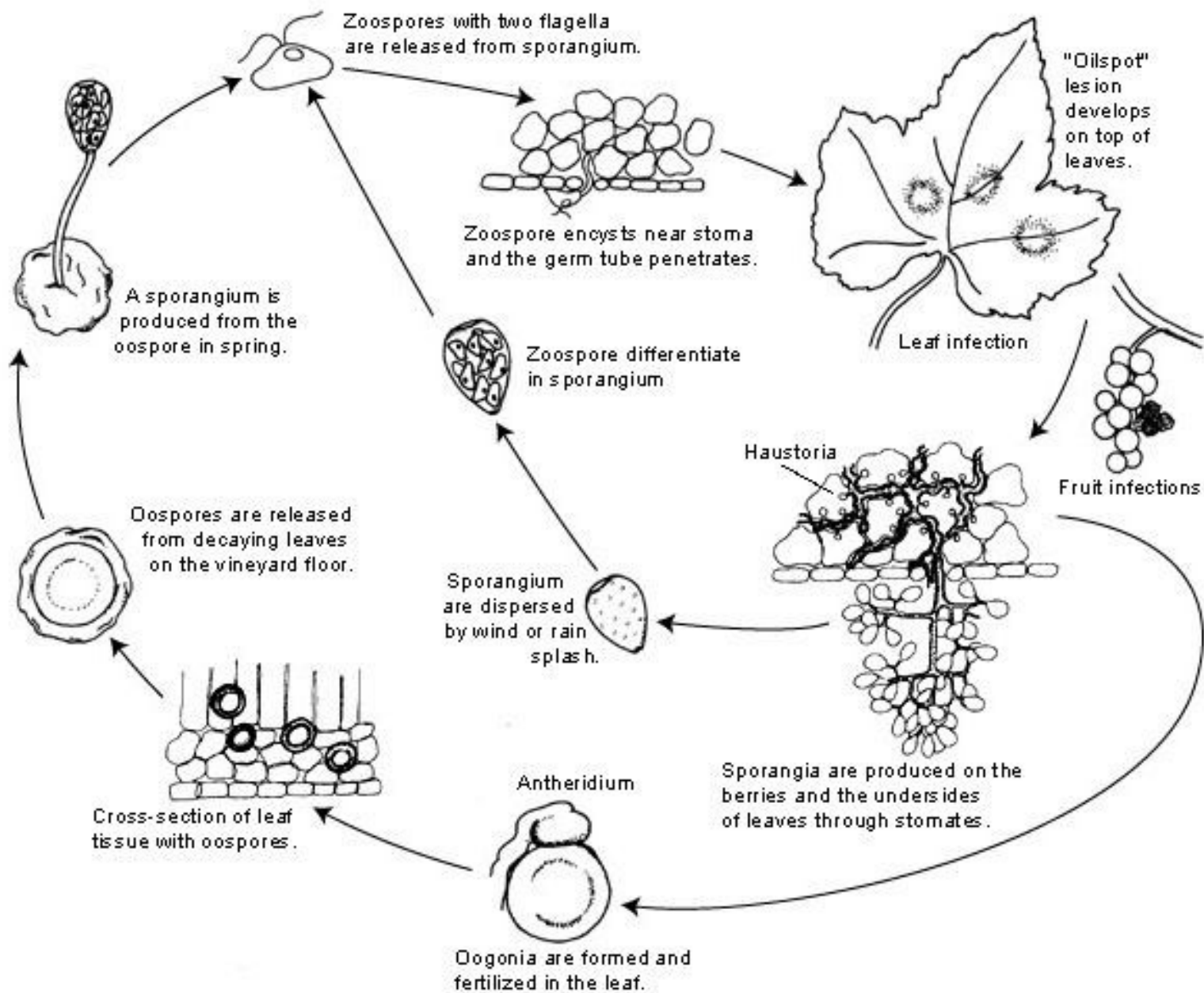


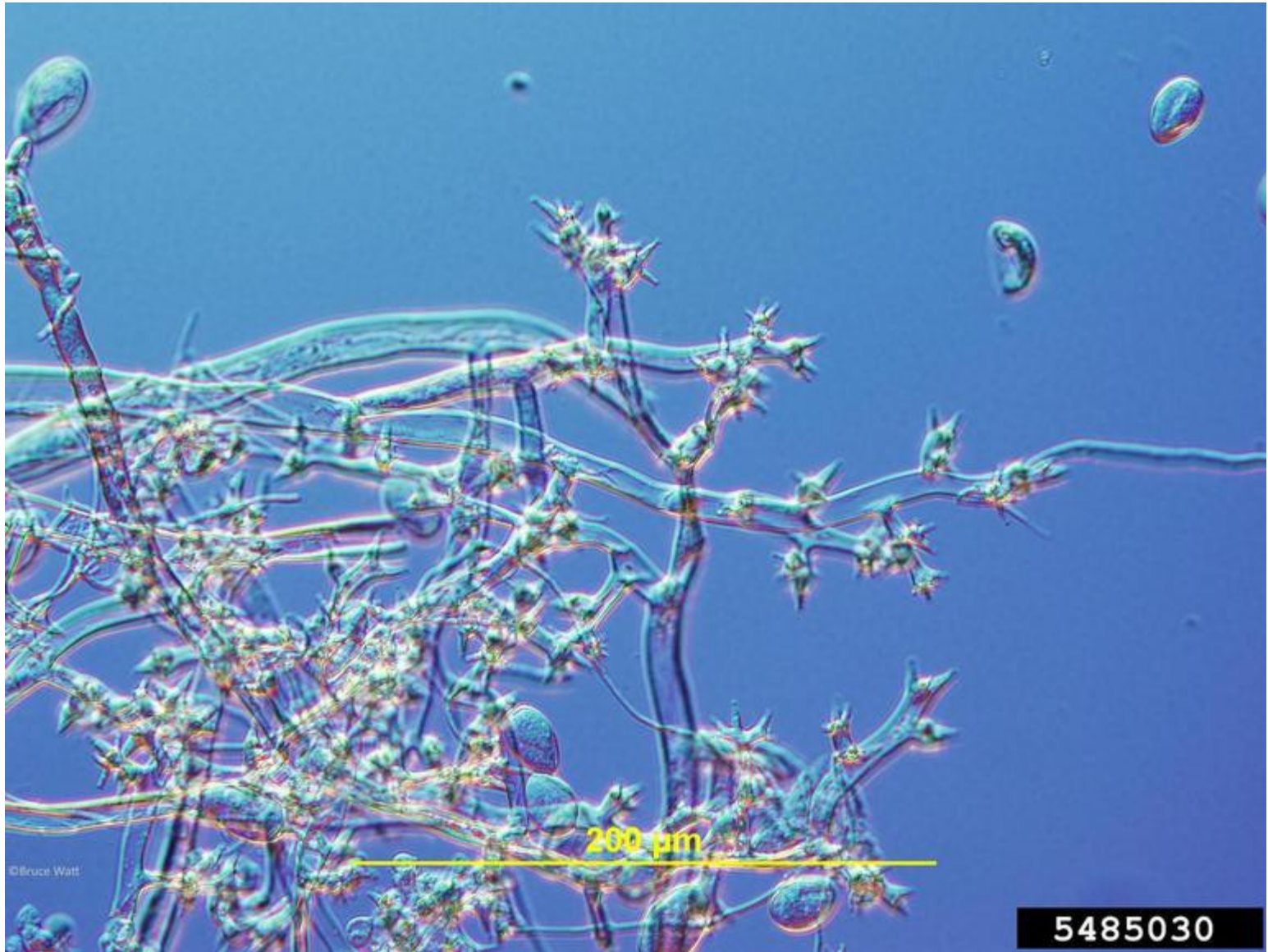


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*Plasmopara viticola* - Peronospora

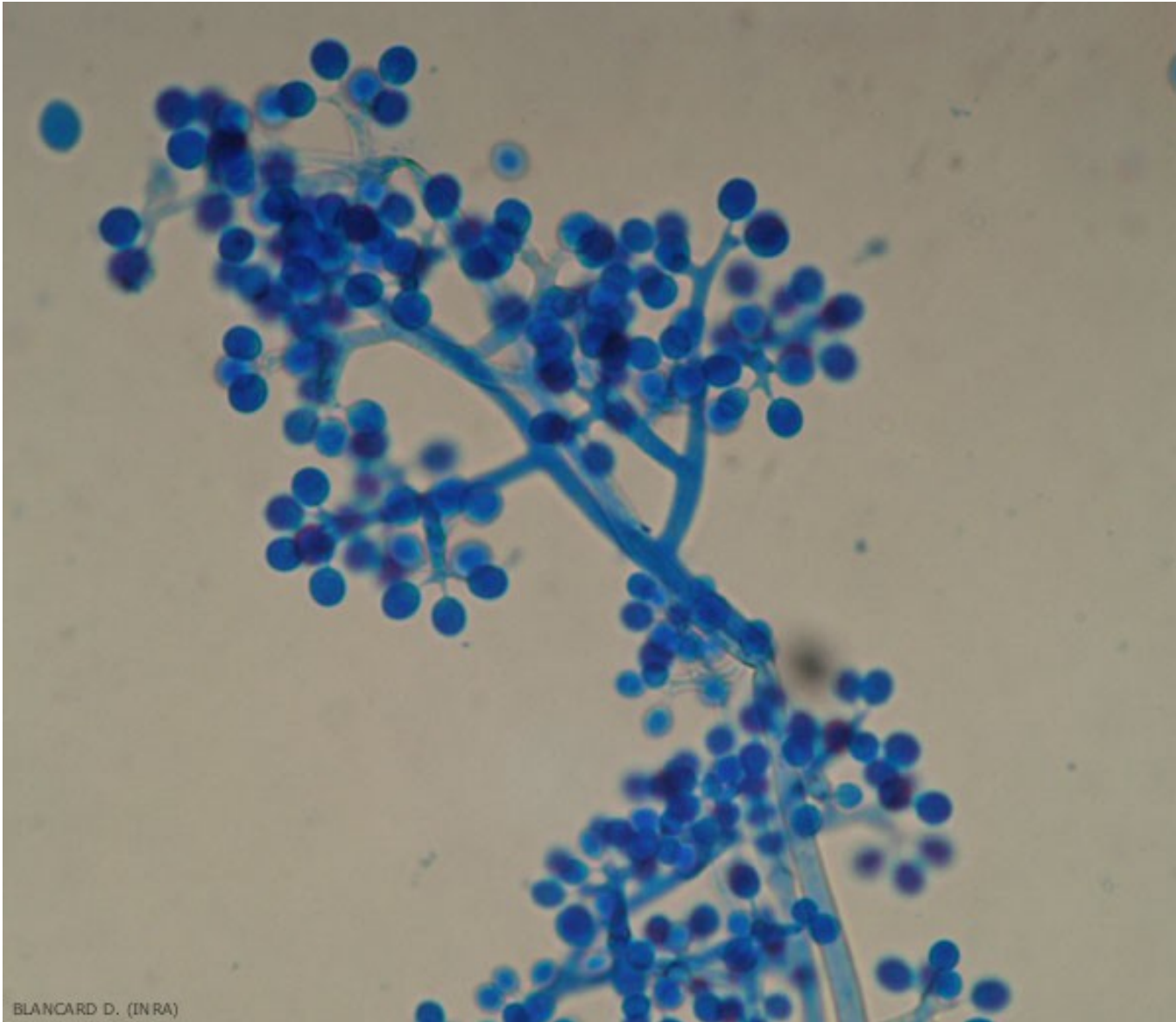


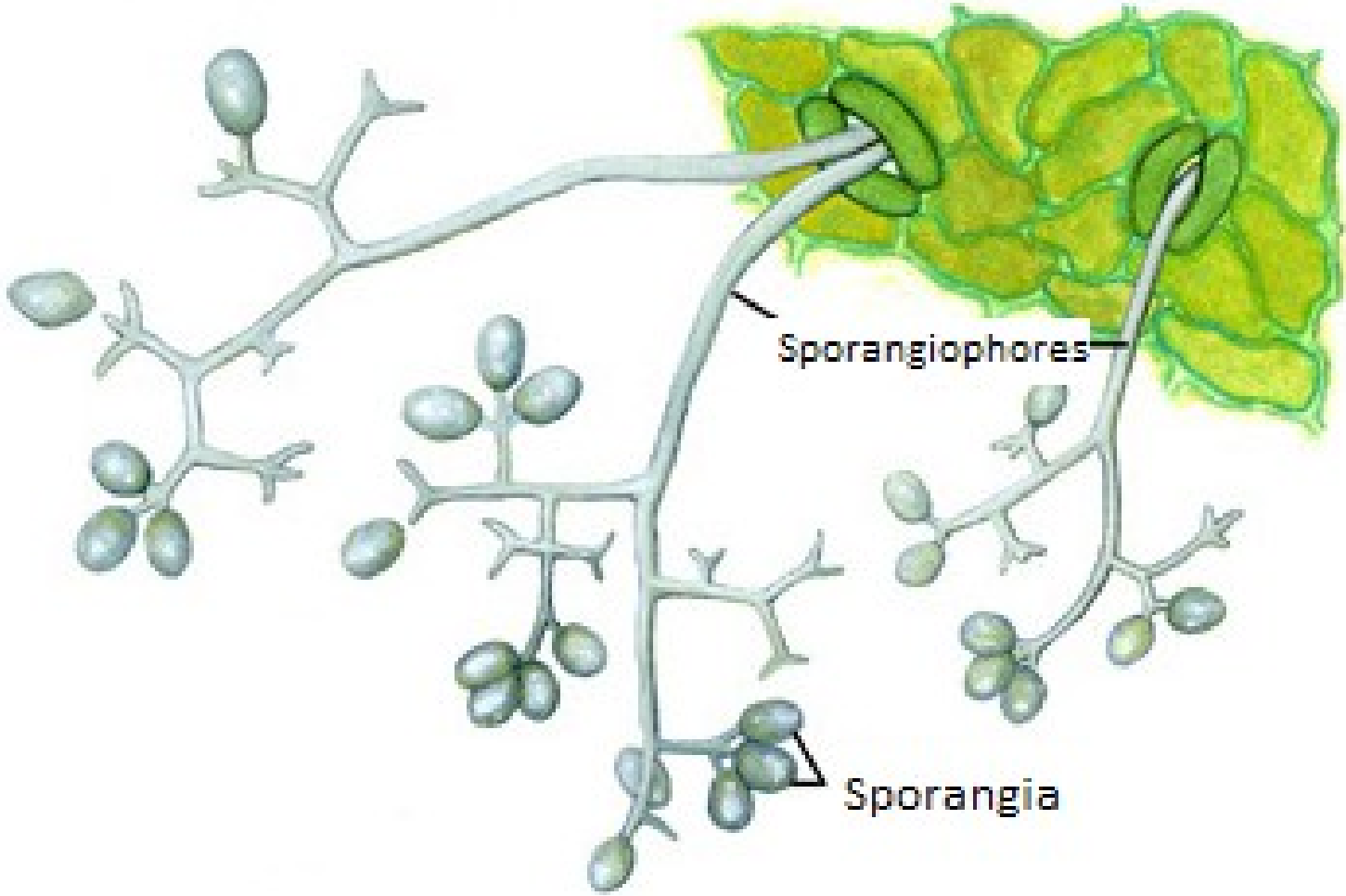


© Bruce Watt

200 µm

5485030





Sporangiophores

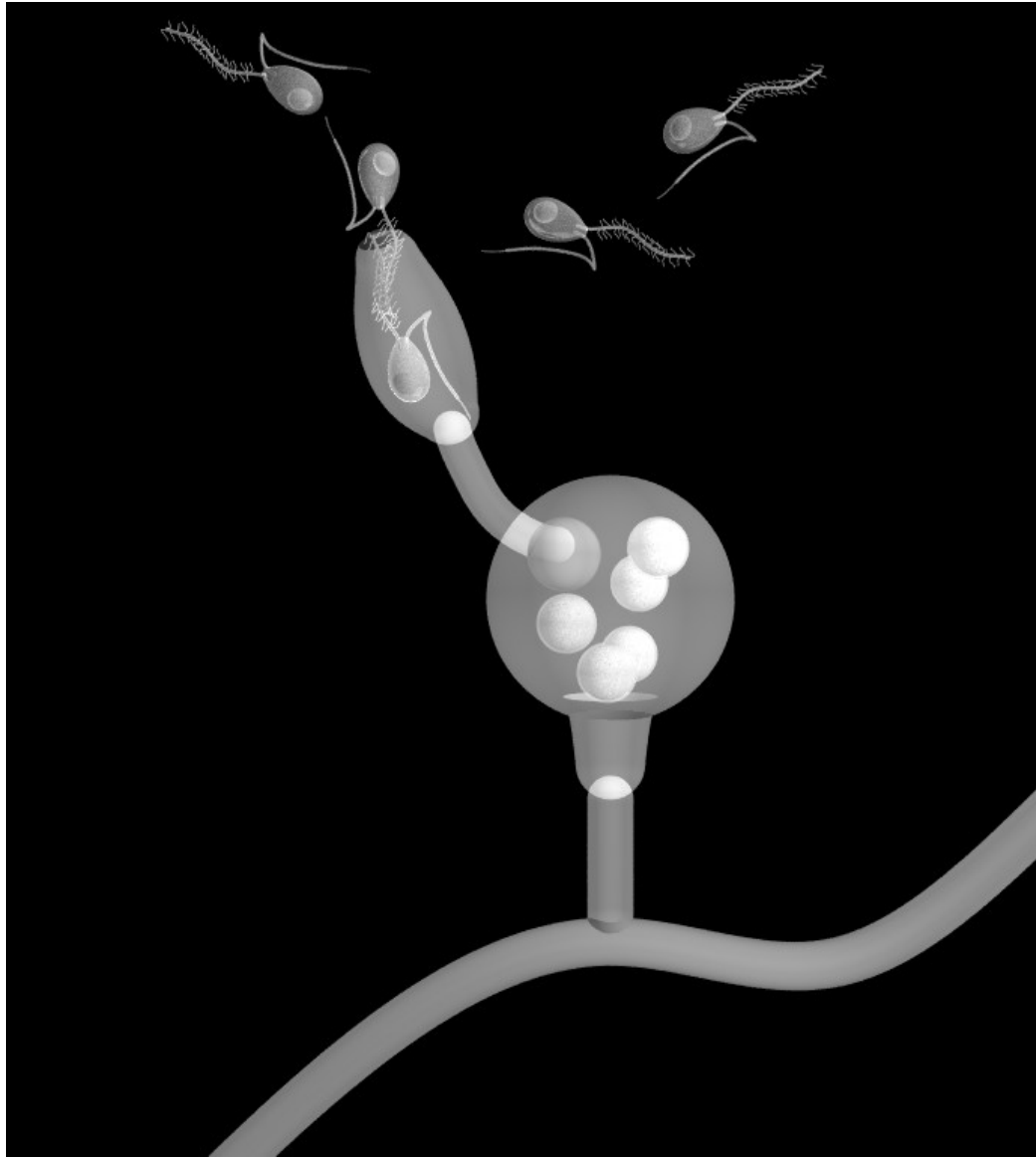
Sporangia

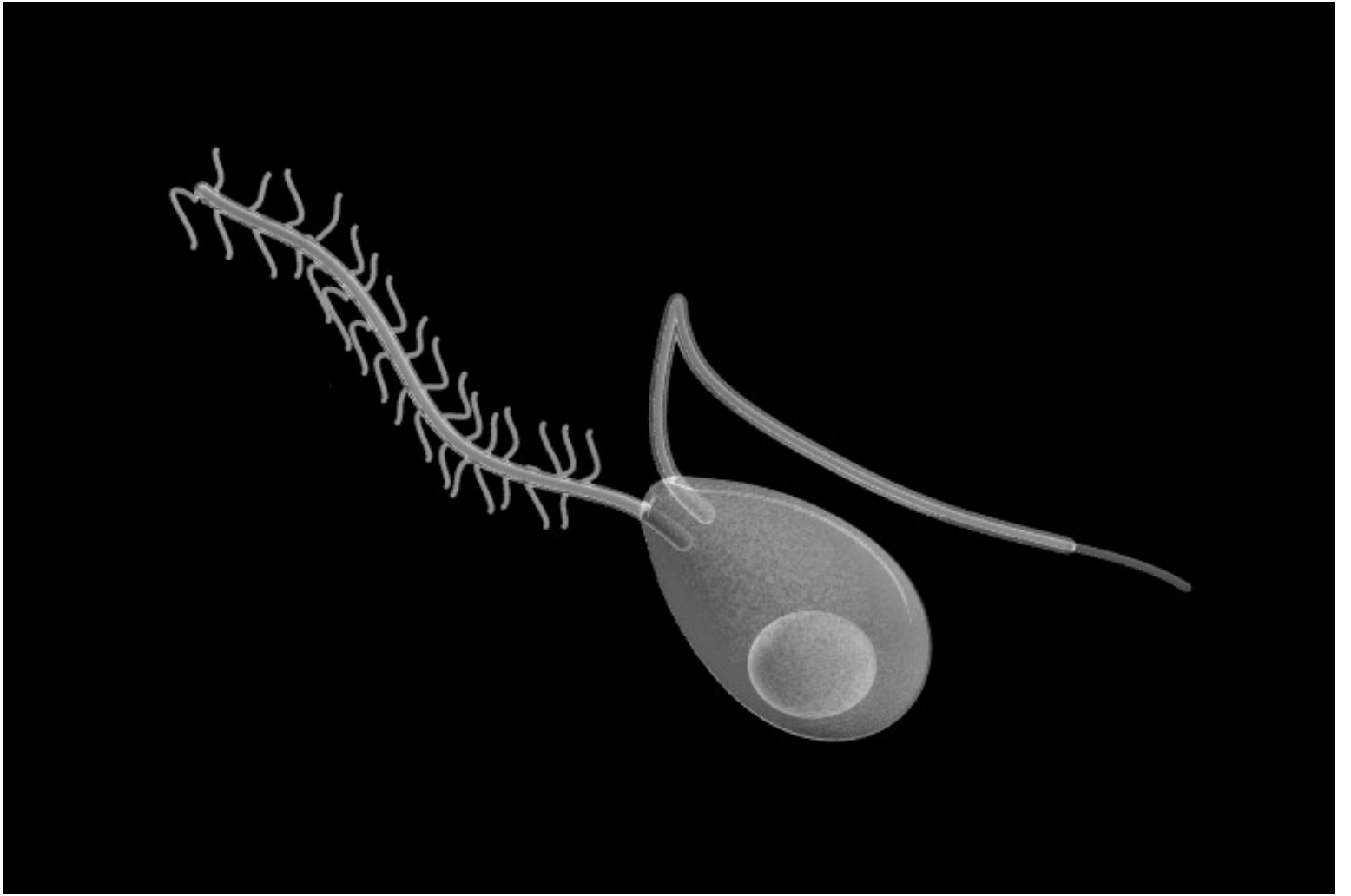




Zoospores are released











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*Phytophthora infestans* – Peronospora della patata

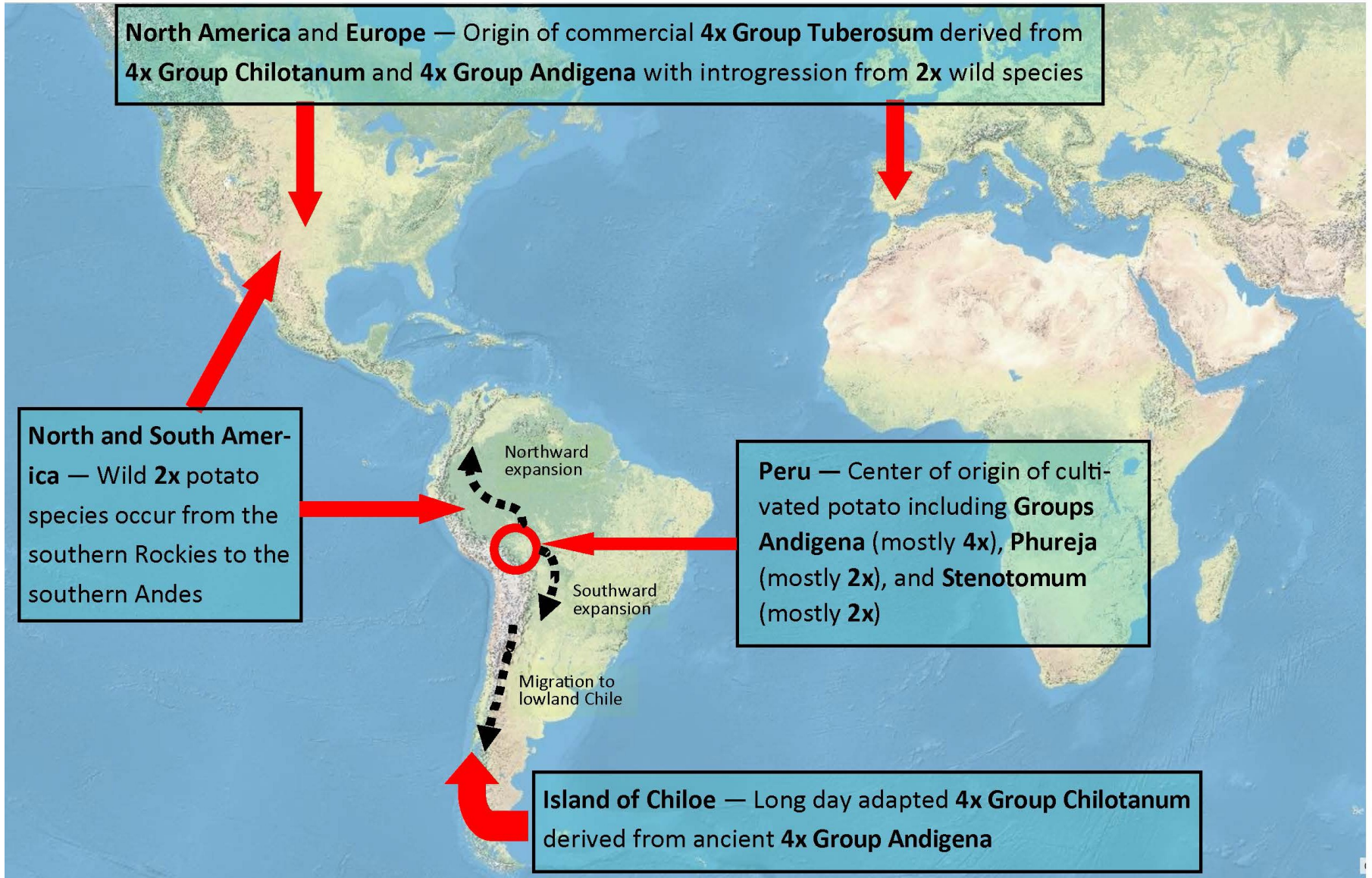


**North America and Europe** — Origin of commercial **4x Group Tuberosum** derived from **4x Group Chilotanum** and **4x Group Andigena** with introgression from **2x** wild species

**North and South America** — Wild **2x** potato species occur from the southern Rockies to the southern Andes

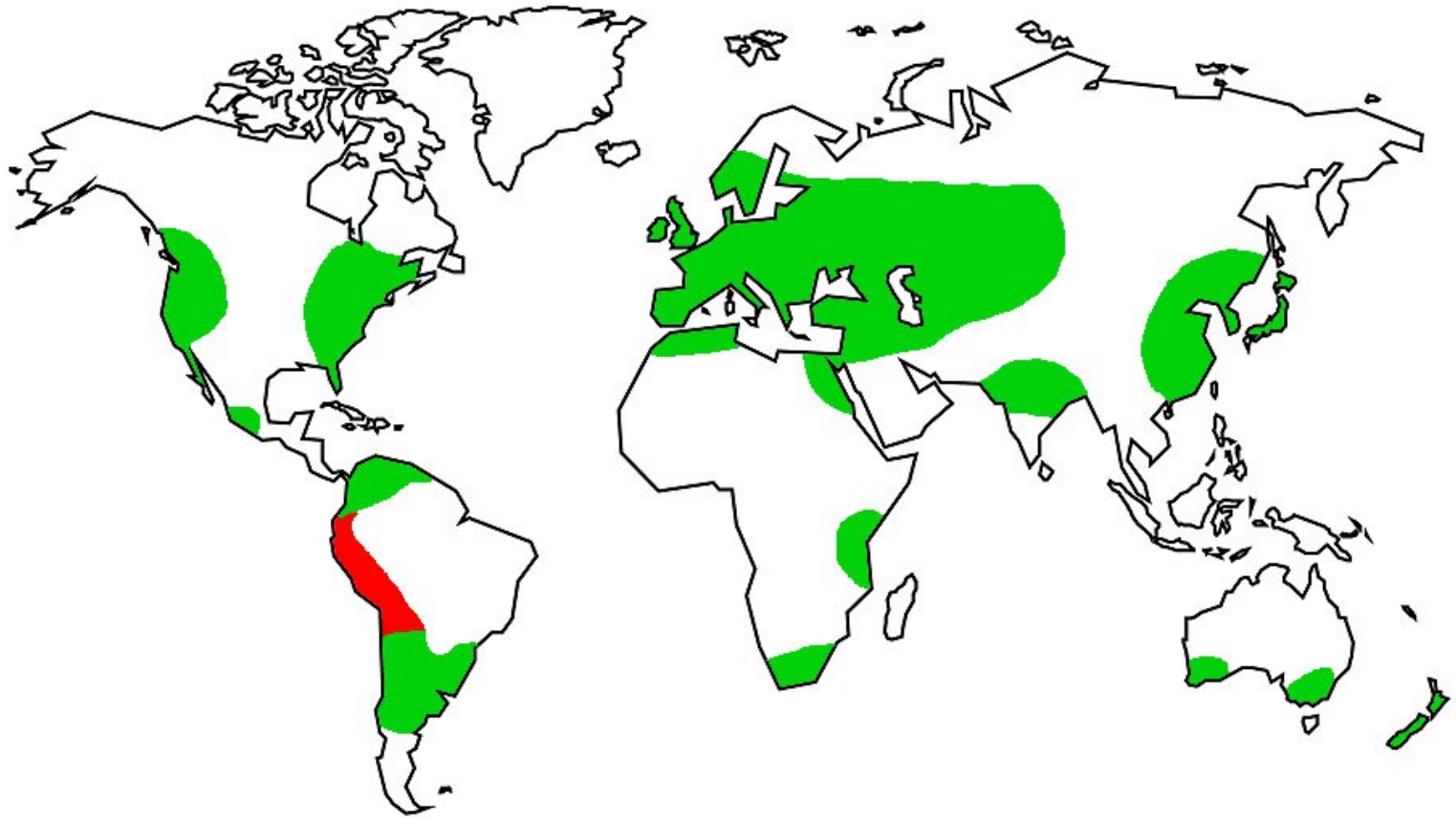
**Peru** — Center of origin of cultivated potato including **Groups Andigena** (mostly **4x**), **Phureja** (mostly **2x**), and **Stenotomum** (mostly **2x**)

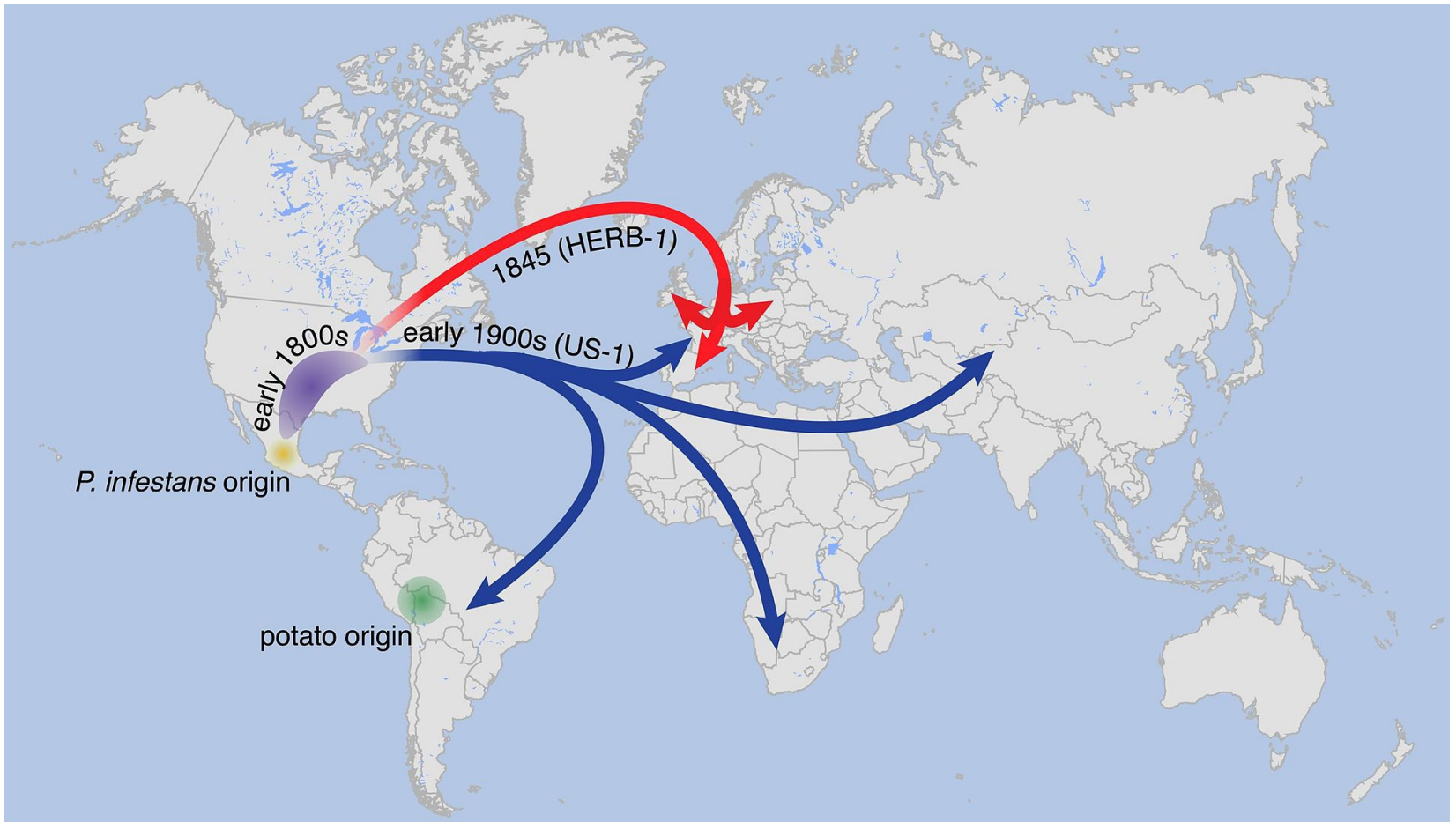
**Island of Chiloe** — Long day adapted **4x Group Chilotanum** derived from ancient **4x Group Andigena**

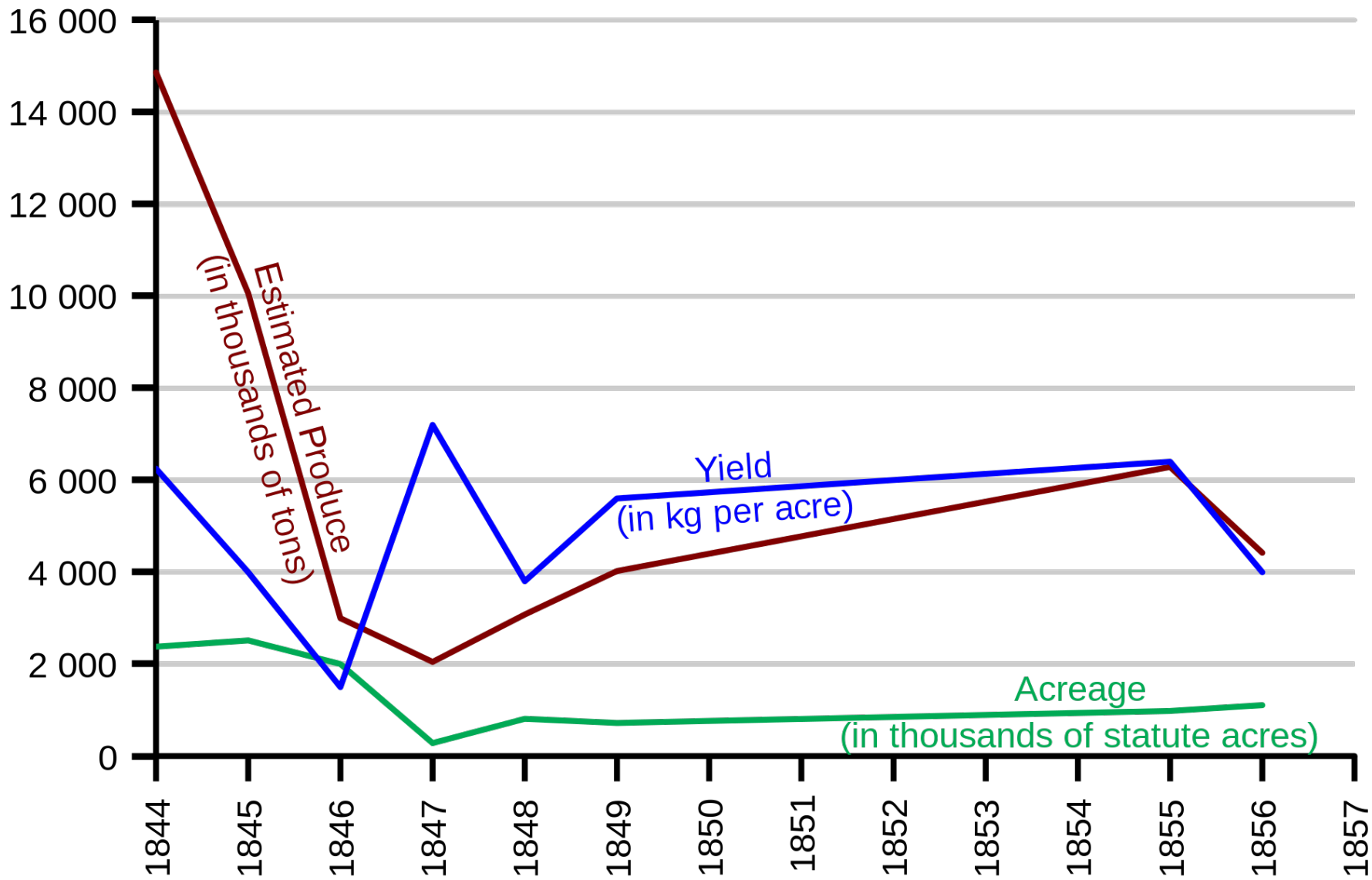








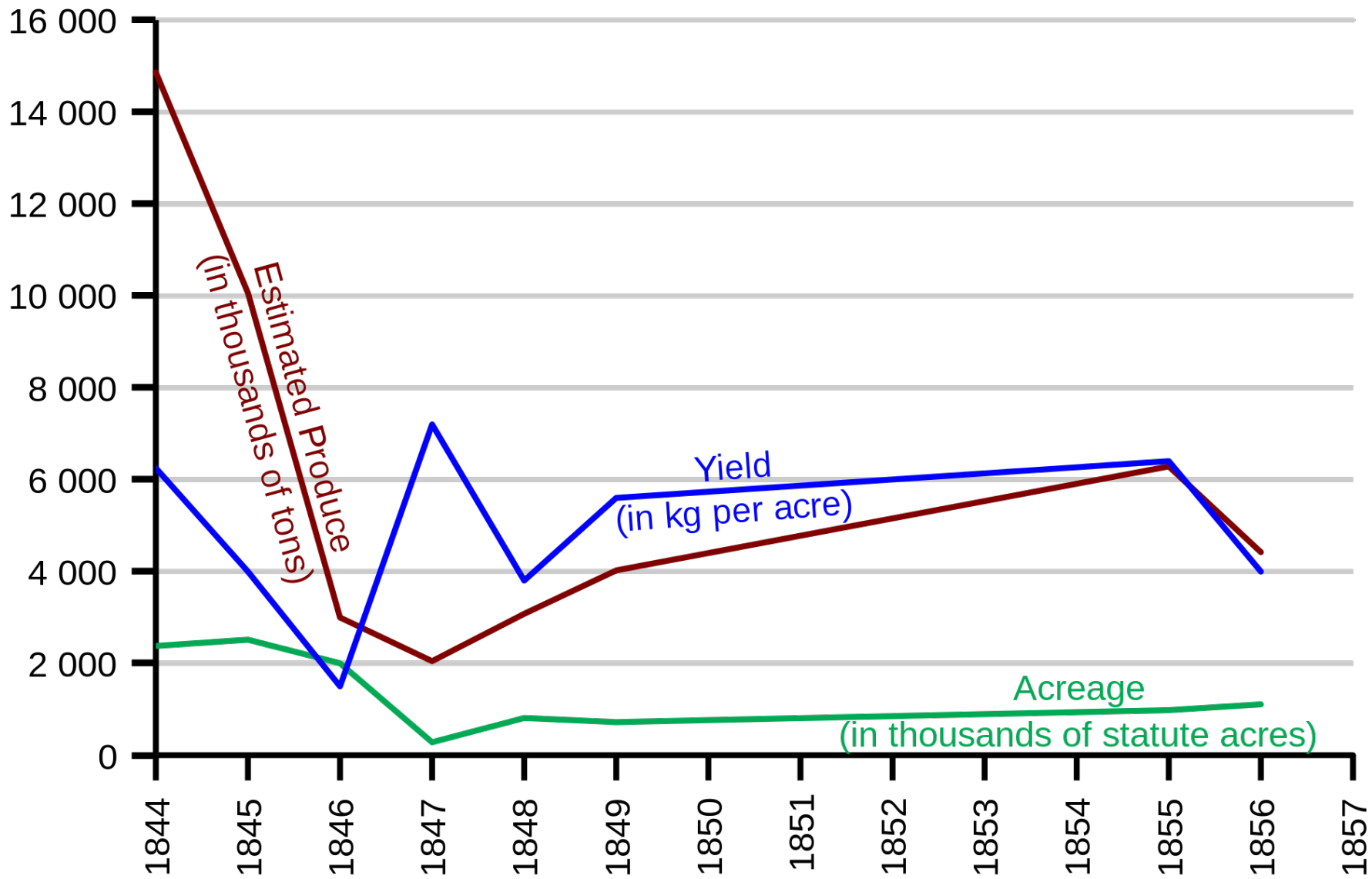






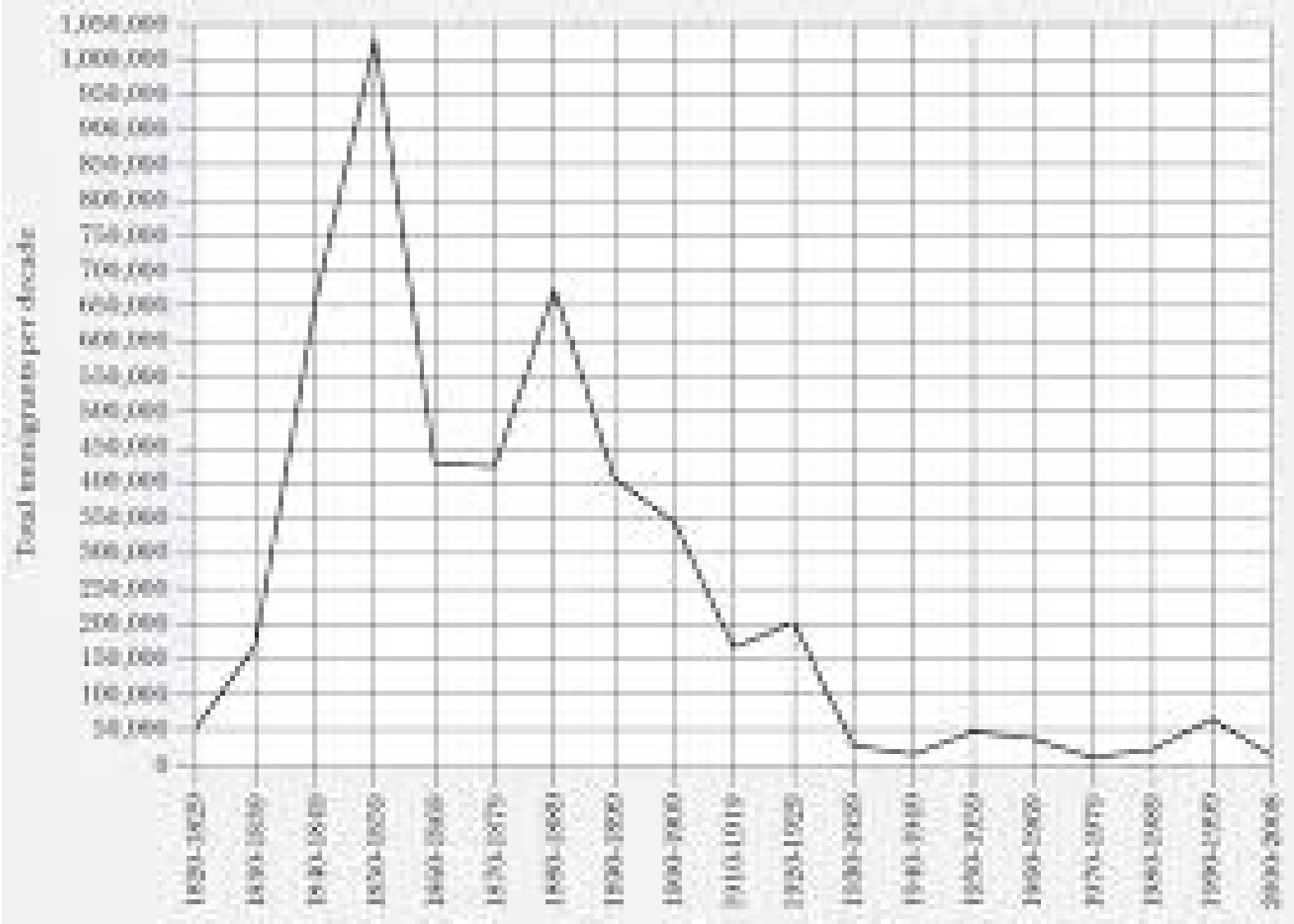










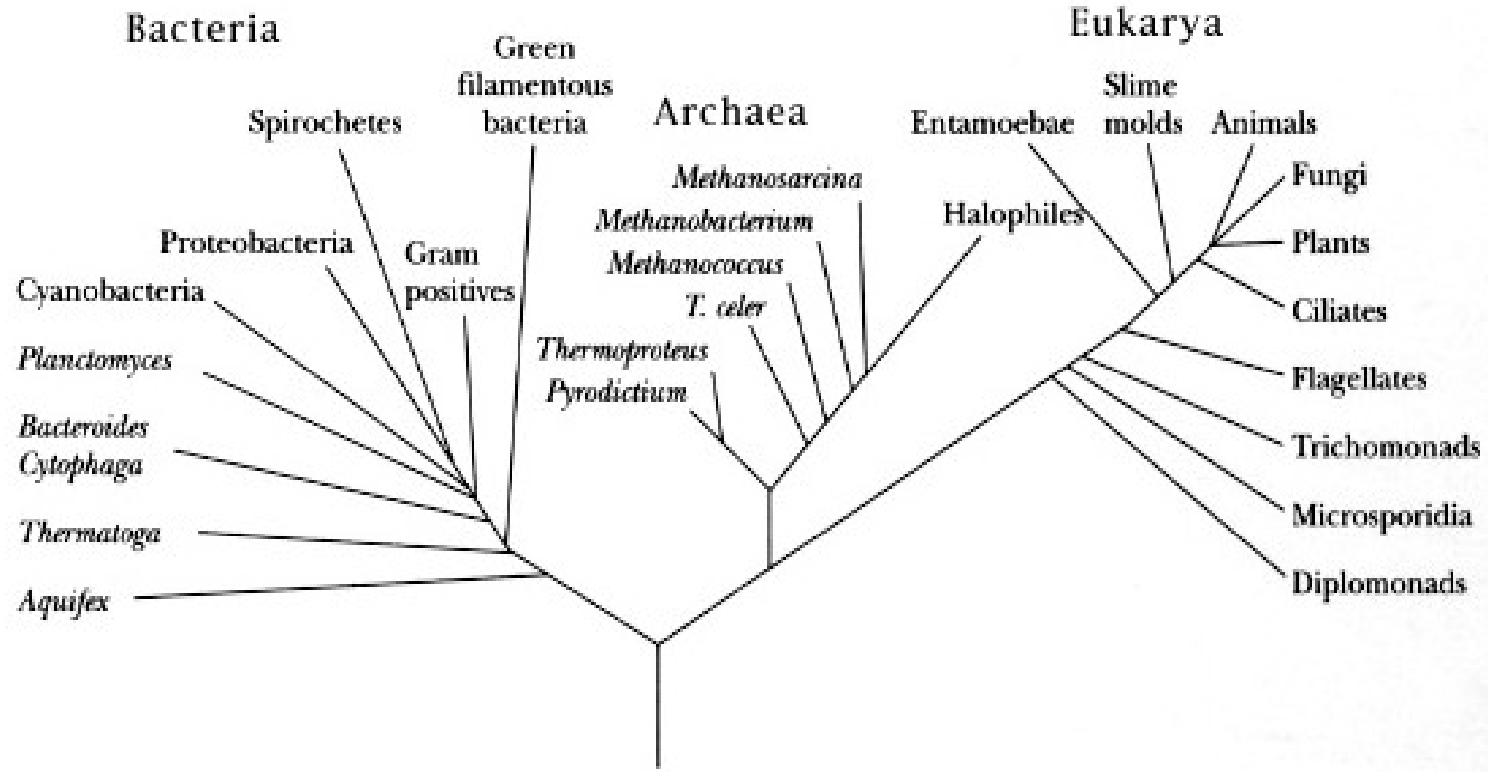






# Myxomiceti

# Myxomiceti

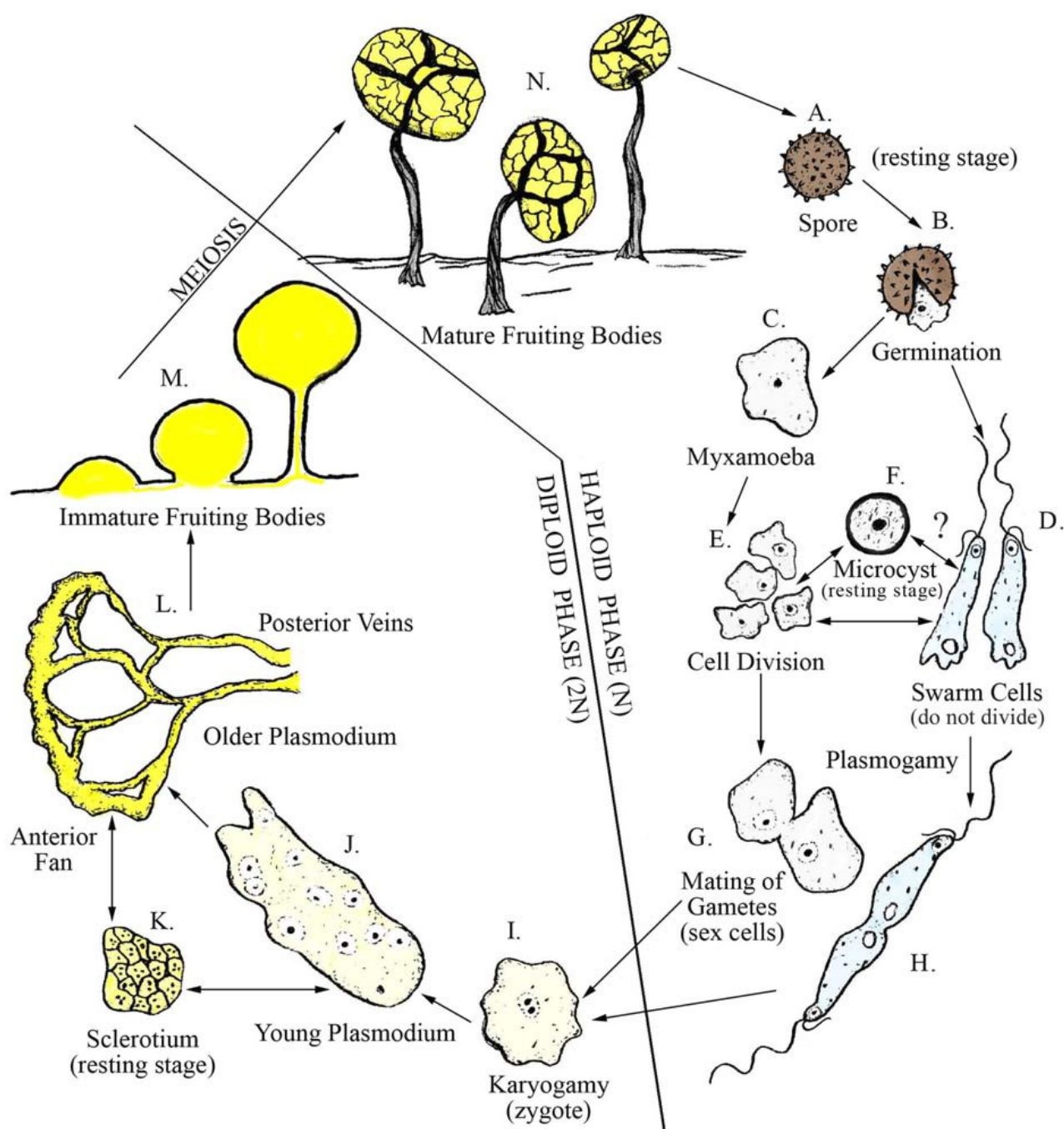


I Myxomyceti si nutrono di batteri, protozoi, spore, micelio, corpi fruttiferi di funghi, sostanza organica.

Hanno un ruolo biostatico nei confronti di funghi e/o batteri, impedendone la proliferazione incontrollata.

Se ne conoscono circa 1000 specie.

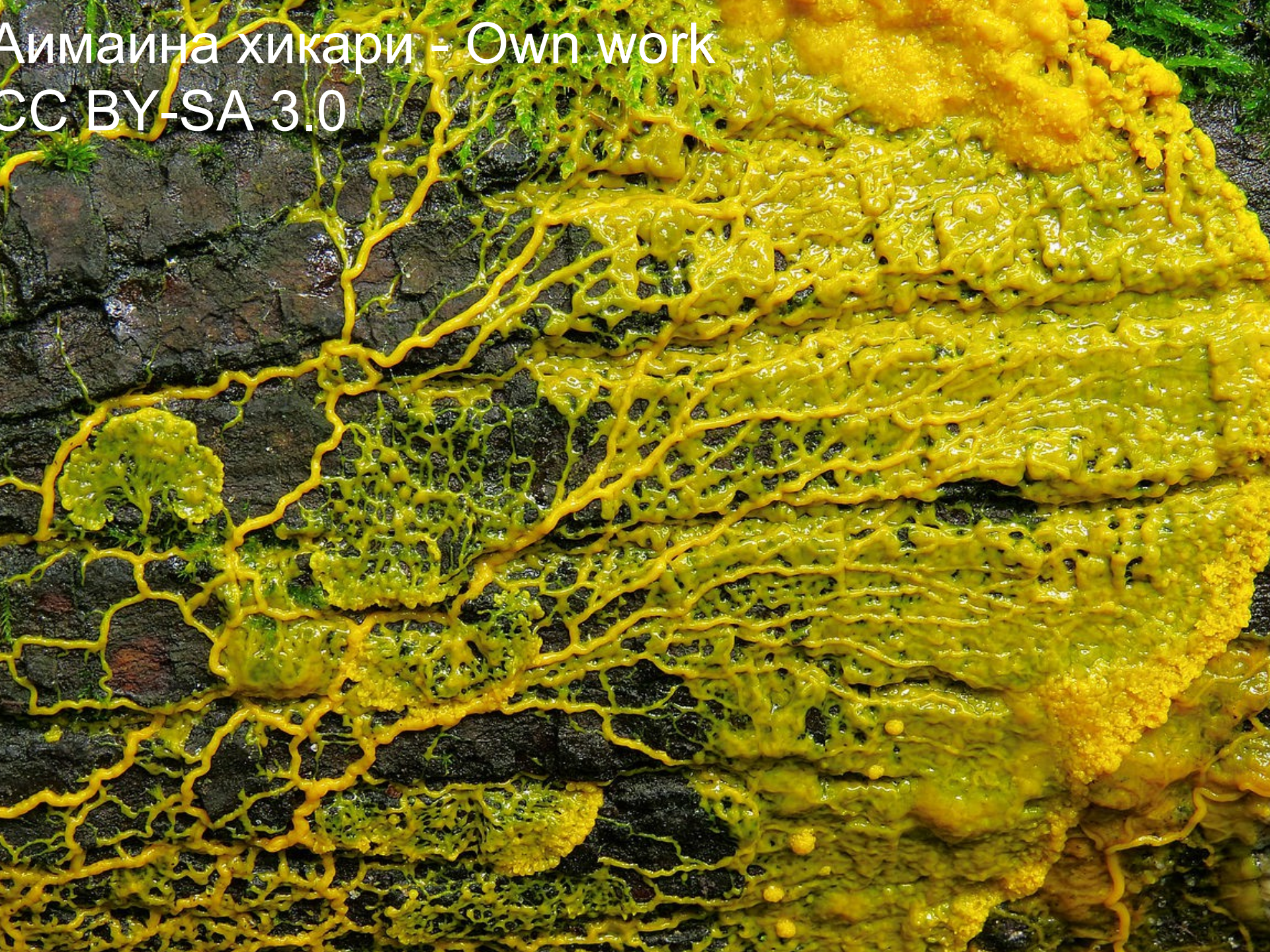
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Life Cycle of a Myxomycete

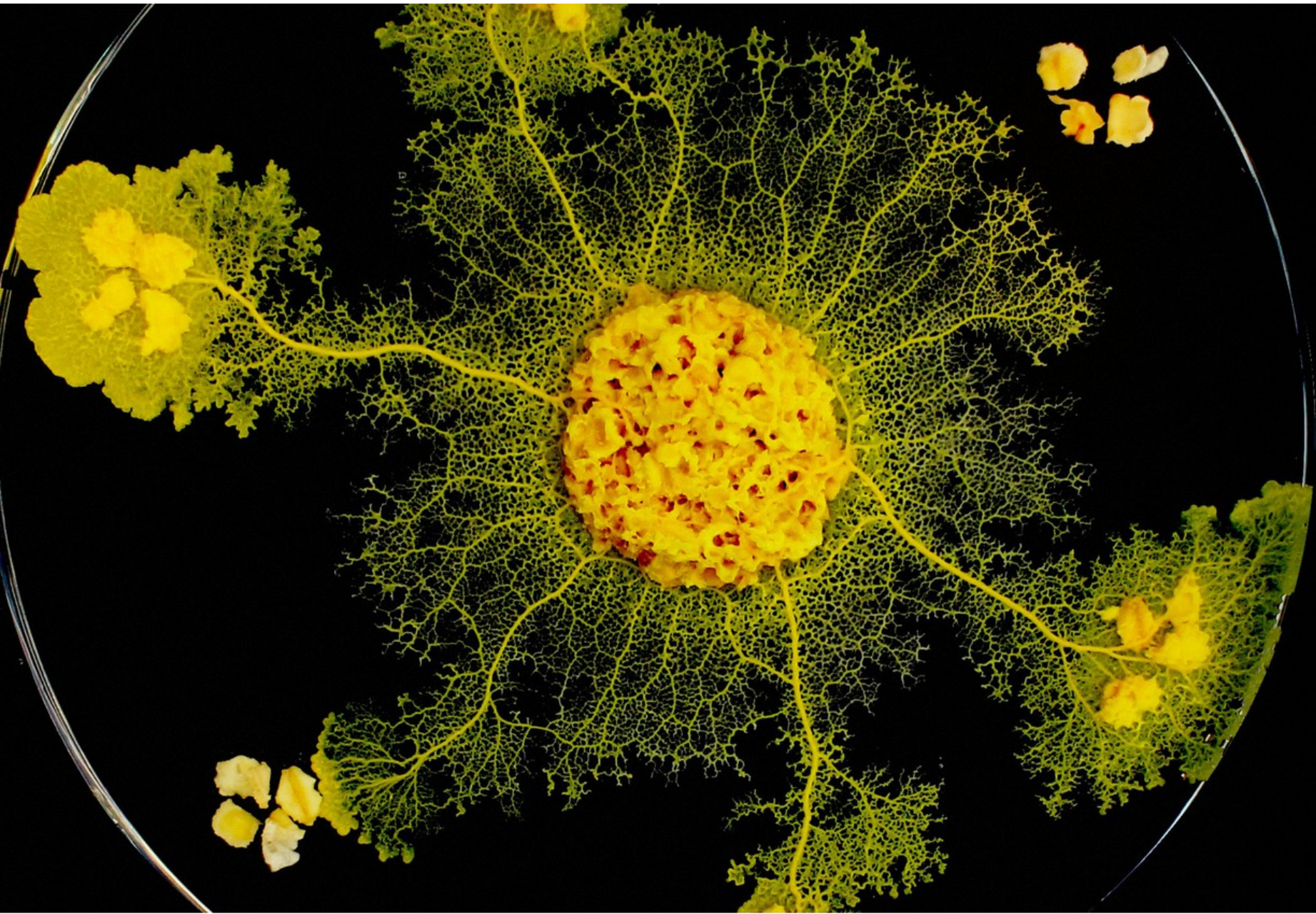


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