

Biological Diversity
BSCI 10110-1
MWRF 1:10-2:00
Dr. Mark Kershner

Week 9

10/29

Protists

- phylogeny

 - Fig 29.1

 - base of protists: Diplomonads, Parabasalids

 - most closely related to Archaea

 - Diplomonads – *Giardia*

 - intestinal parasite

 - Fig 29.6

 - Parabasalids – *Trichomonas*

 - parasitic protist

 - Fig 29.7

 - found in termite guts

 - cause a variety of diseases

 - vaginitis

 - Euglenozoa

 - Euglenoids

 - Euglena*

 - 2 flagella

 - Fig 29.8a

 - packed with chloroplasts

 - autotrophs

 - heterotrophic

 - mixotrophs

 - Kinetoplastids*

 - parasitic

 - unicellular

 - African sleeping sickness

 - Trypanosome*

 - transmitted by the tsetse fly