

# Biological Mass Spectrometry

March 15, 2007

## Proteins and Proteomics

- I. Strategies for an individual protein
- II. Proteomics
  - A. What's on my gel? In gel Digestion.
  - B. Database searches
    1. peptide maps
    2. microsequences
    3. production spectra
  - C. Gel free strategies
  - D. Top down vs. bottom up
- III. Quantitative Comparative Proteomics
  - A. Isotope labeling
  - B. Time/mass tagging