

# Biological Mass Spectrometry

March 2, 2006

Peptide modifications continued

## III. Phosphopeptide analysis

### A. Sample preparation

Anti-bodies

Immobilized metal affinity chromatography

Biotin tagging of phosphorylation sites

### B. Recognition of phosphopeptides

Peptide mapping

MALDI and phosphatase treatment

Precursor ion scanning

Constant neutral loss scanning

### C. Location of sites of phosphorylation

Product ion scanning

### D. Quantitation of extent of phosphorylation

No good method