

## Hands-on MaxQuant Analysis

### Raw File Processing

- Load RAW files from mass spec
- Automatic peak detection
- Retention time alignment

### Parameter Settings

- Enzyme: Trypsin/P
- Fixed/variable modifications
- FDR thresholds (1% peptide/protein)

### Perseus Downstream

- Statistical analysis platform
- Filtering and normalization
- Differential expression analysis

### Quality Assessment

- Check identification rates
- Review mass error distributions
- Evaluate quantification reproducibility