

Creative **Proteomics**

Cutting-edge Bioinformatics
Solutions for Proteomics,
Metabolomics, & Proteins

- ✦ **Experienced Staff:** Ph.D. team has an average of 10+ years' hands-on experience.
- ✦ **Custom-tailored & Modularized Services:** Analytical solutions customized for your research.
- ✦ **High-quality:** Validated process to ensure reproducibility of your results.

Featured Bioinformatics Services at Creative Proteomics

Equipped with advanced computing instruments and software, Creative Proteomics can provide cutting-edge bioinformatics services to accommodate a wide range of needs from basic to complex.

Bioinformatics for Proteomics

- ✦ **Functional Annotation & Enrichment Analysis:** GO, KEGG, domain annotation and enrichment, *etc.*
- ✦ **Cluster Analysis:** Hierarchical clustering, K-means clustering, STEM analysis, and others
- ✦ **Network analysis:** PPI analysis, IPA analysis, Gene co-expression network analysis
- ✦ **Subcellular localization:** A significant part of bioinformatics-based prediction of protein function and genome annotation

Bioinformatics for Metabolomics


- ✦ **Univariate analysis:** Volcano plot, T-test analysis, Fold change analysis, *etc.*
- ✦ **Multivariate analysis:** PCA, PLS-DA, OPLS-DA
- ✦ **Clustering analysis:** Heatmap, K-means, SOM
- ✦ **Identification of potential biomarkers**
- ✦ **Correlation network of differential metabolites**

Bioinformatics for Proteins


- ✦ **Protein site prediction:** Amino acid composition, Signal peptide prediction, Protein motif prediction, *etc.*
- ✦ **Protein structure prediction:** Homology modeling, Molecular docking, Structure features analysis, Secondary structure prediction, *etc.*
- ✦ **Protein evolution Analysis:** Sequence-based analysis, Structure-based analysis, Genome-based analysis



Contact Us

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