

Biotechnology Core Facility Services

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Proteomic Profiling

- Enzyme digestion mapping
- Modification mapping
- Protein/protein interactions
- MALDI-TOF MS exact mass

Custom Peptide Synthesis

- Large batch sizes
- High purify confirmed by MS
- Custom tags, stable isotopes and non-canonical amino acids

Formulation Assistance

- Blending and solubility studies
- Drug delivery and adjuvant design
- DNA/RNA delivery

Food Product Analysis and Design

- Allergy epitope screening
- Enzyme kinetics/sourcing

Waste Product Recovery and Reuse

- Full product analysis
- Novel product design
- Proper disposal

Fermentation Product Design

- Microbiology analysis/sourcing
- Pilot scale testing
- Feed stock sourcing
- Plant design and scale-up

Oil and Gas

- Novel product design
- EPA compliance