

Proteomics and Metabolomics Facility – Sample Submission Form

July2017-June2018

Name: _____ Submission Date: _____

PI name: _____ Department: _____

Billing Address (for external users): _____

Cost number (for UN users): _____ E-Mail: _____

We won't process samples without it

Analytical Requirements:

A. **Protein Identification from gel bands. *Indicate stain used and provide gel image:*** _____

B. **Intact mass analysis** (only for compounds <35kDa).

C. **Free Amino Acid Analysis** (A, I, L, V, F, W, Y, D, N, E, Q, M, C, S, T, R, H, K, G, P, Tau, Orn, HydroxyP).

D. **Hydrolyzed Amino Acid Analysis** (A, I, L, V, F, Y, D, E, MetS, CyA, S, T, R, H, K, G, P).

E. **Free Sugar Analysis** (Fructose, Sucrose, Glucose, Raffinose, Arabinose, Mannose, Xylose, Galactose, Lactose, Pinitol).

F. **Hormone Assay** (ABA, SA, JA, JA-Ile, OPDA, IAA, IAA-Asp, t-Zeatin, c-Zeatin, t-ZRiboside).

G. **Gibberellins Assay** (GA1, GA3 and GA4).

H. **Other targeted LC-MS assays** (AcetylCoA/MalonylCoA; TCA/Glycolysis; Pyrimidine; Polyamines; Non-mevalonate pathway)

*******! For items I to N - Meeting with PMF staff is required before submission!*******

I. **Protein Identification from Solution or Bead samples** (from IP, Co-IP or pull down).

J. **Quantitative Proteomic Analysis using Labeling approaches** (TMT or iTRAQ) **or Label-Free.**

K. **Identification and Quantification of Post-translational modifications. *Add info to the back of the form***

L. **Targeted Quantification of Small Molecule** **or Peptide**

M. **Non-Targeted Profiling and Relative Quantification of Small Molecule.**

N. **Other** _____

Number of Samples: _____. *Please add sample names on the back of the form.*

Sample risk assessment – Remember! What is standard practice for you may not be for us!

1. Are the samples labeled or contaminated with radioactive isotopes? Yes or No .

2. Are the samples toxic/infectious categorized BSL2 or higher? Yes or No . *If Yes, please contact us before submitting the samples.*

3. Any special safety or sample handling precautions we should take with your sample should be indicated on the sample submission form.

BE SURE TO FILL OUT THE ADDITIONAL INFO ON BACK

Additional Information for Protein Identification:

- For protein identification, please indicate here which organism the proteins/sequences came from:

 - If the protein is not a native sequence, i.e. contains a tag (such as GST / His / GFP etc), point mutations or any other changes to the sequence then you **MUST** supply an electronic copy of the sequence.
 - Please indicate any known or suspected modifications of amino acids, including if disulfide bonds present:

 - Please list in details chemicals (buffers, detergent, solvent) and method used for preparing samples if submitting in solution protein samples: _____
- _____

Additional Information (*Please list sample names; Append a full list of sample names as a table form if large number of samples submitted, and send it electronically*).

Contact information:

Sophie Alvarez, Ph.D., Director, salvarez@unl.edu
Mike Naldrett, Ph.D. Assistant Director, mnaldrett@unl.edu
Beadle Center – E-154
Phone: 402-475-4575

**Drop samples off to Beadle Center – E-154 or
Ship samples to:**

Sophie Alvarez/Mike Naldrett
UNL - Center for Biotechnology
1901 Vine St
E-119 Beadle Center
Lincoln, NE 68588