



# Protein Expression and Proteomics Core Services

## Protein Expression and Proteomics

### Protein expression

- Advice provided at **no charge** on vector and cell selection as well as protocols for efficient purification schemes.
- Limited quantities of proteins already expressed and purified offered at **no charge** to CFAR members:
  - ◊ Fc-tagged human DC-SIGN
  - ◊ Fc-tagged HIV gp120
  - ◊ HIV-NL4-3 protease (PR)
  - ◊ HIV-NL4-3 integrase (IN)
  - ◊ Refolded, soluble human BAFF protein\*
- Expression and purification of specific proteins from constructs supplied by investigators performed at reduced cost.
- Expression of cytokines and chemokines available on request.

\*Also known as TALL-1, THANK, TNFSF13B, BLyS, zTNF.

### Proteomics

- Proteomic advice provided at **no charge**.
- Bia-Core instrumentation and technical instruction available.
- Running and imaging 1- and 2-dimensional SDS/PAGE gels:
  - ◊ IEF gels
  - ◊ Silver or SyproRuby staining of gels
  - ◊ Fluorescence 2-dimensional difference gel electrophoresis
  - ◊ Spot/band isolation from 1- or 2-dimensional electrophoresis gels
- Typhoon 3-color laser imager available for gel analysis.
- LC/MS mass spectrometry services:
  - ◊ Protein identification from gels or purified proteins
  - ◊ Multidimensional protein identification technology
- Bio-Plex (Lumenix) instrumentation for identification of multiple proteins, \$65 per hour. No charge for software analysis after data collection.

### Software available to CFAR members

- Gel analysis programs
- Mass spectrometry
- Bia-Core
- Bio-Plex

### Pricing

- Please contact us for current pricing information.

### Contact

#### *Protein Expression*

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#### *Proteomics*

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