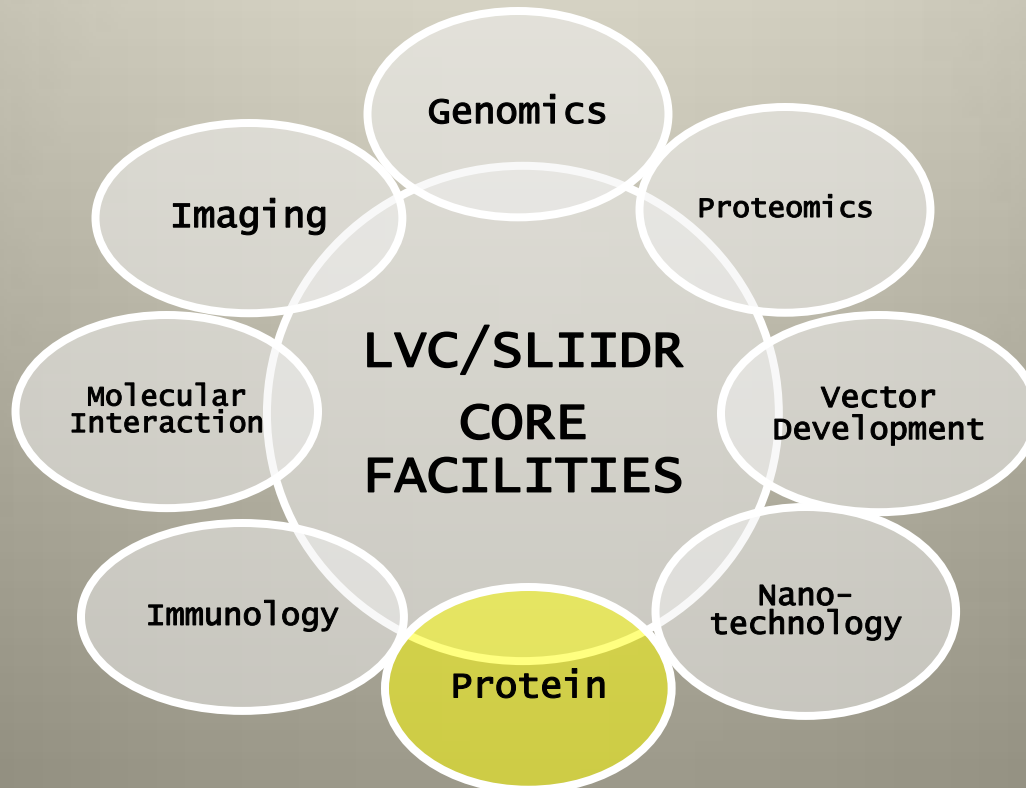




Louisiana Vaccine Center



LVC & SLIIDR are working together to develop & support a series of **Core Facilities** to serve investigators in the field of bioscience with access to state-of-the-art equipment in support of their research.





Louisiana Vaccine Center



PROTEIN CORE



PROTEIN CORE

Aim

- Facilitate protein purification for onsite or offsite Investigators
- Produce high quality protein for down-stream applications

Services

- Cloning & overexpression of protein in *E.coli*
- Large scale expression of native or tagged proteins
- Analytical or Preparative protein purification
- Lyophilization

PROTEIN CORE

Automated Fermentation

High volume capacity
1-10 liters



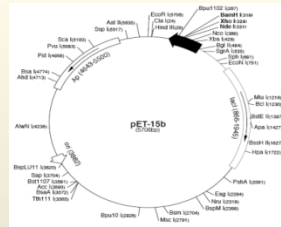
Chromatography Options

- ▮ **An-/Cation exchange**
 - ▮ HiLoad Q Sepharose 26/10, HiTrap Q/SP
 - ▮ 20 μ m Ceramic Hydroxyapatite
- ▮ **Gelfiltration**
 - ▮ 16/60 Superdex 75
- ▮ **Affinity**
 - ▮ (Ni²⁺) Sepharose High Performance

BioRad BioLogic DuoFlow

High flow rates,
Gradient elution capabilities

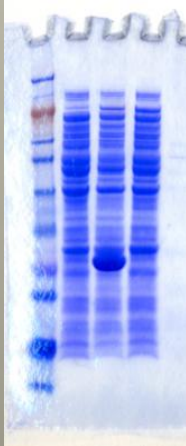




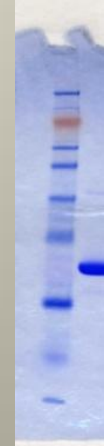
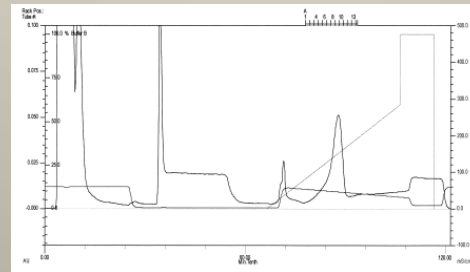
PROTEIN CORE

Capabilities

Small scale
expression &
solubility
testing



Scale-up expression & purification



Lyophilization





PROTEIN CORE

TULANE UNIVERSITY

School of Medicine

Protein Purification Core

504-988-2171

