

---

## Duke CFAR Scientific Cores Information

---

The Duke CFAR is an NIH-funded P30 infrastructure award, tasked with expanding the HIV/AIDS research base at Duke, as well as providing services to these researchers. The CFAR has Scientific Cores that offer services to CFAR members. The Cores provide CFAR Pilot Awardees the following services at no charge:

### **Immunology Core**

- Immunological assays, including ELISpot, Cytotoxicity assays, BAMA, Avidity, Peptide Microarray, HIV-1 Virion Capture and Phagocytosis, Antibody-mediated neutralization assays, BSL2/BSL3 Cell Sorting, Polychromatic Analytical Flow Cytometry.
- Consultations and training for Immunological assays, including experimental design and quality assurance.

### **Biostatistics and Computational Biology Core**

- Support for grant applications and clinical studies
- Training on common statistical issues
- Methods development and Data analysis
- Software and algorithm development for analysis of immunological assays
- Mathematical and statistical modeling
- Workshops on practical computing for research scientists

### **Clinical Core**

- Consultation on study design, implementation, analysis, and manuscript preparation
- Clinical Research and Regulatory Support
- Access to patient populations and Subject recruitment
- Database and Biorepository Access and Specimen ID/procurement
- Community Engagement

### **Social & Behavioral Sciences Core**

- Early planning and grant preparation
- Peer Review
- Scientific Consultations
- Training
- Networking and Mentoring
- Dissemination of findings, manuscript preparation and review, community engagement
- Facilitation of collaboration with the Duke CFAR Clinical Core
- Measures selection
- Qualitative analysis