

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 provide CFAR members with the following services at no charge except where noted.

[CFAR Cores Webpage](#)

Developmental Core – Director, R. Keith Reeves, PhD

[See Core website for more information](#)

- Grant preparation support, including Specific Aims review
- Funding for Pilot projects and Microgrants
- Career mentoring
- Peer review
- Faculty recruitment
- Early Career grant review training
- Manuscript support

Immunology Core – Director, Guido Ferrari, MD

[See Core website for more information](#)

- Grant preparation support
 - Consultations including experimental design and quality assurance
- Other Core Services (assays provided at cost through Shared Resource mechanism)
 - ELISpot
 - Cytotoxicity assays
 - BAMA
 - Avidity
 - Peptide Microarray
 - HIV-1 Virion Capture and Phagocytosis
 - Antibody-mediated neutralization assays
 - BSL2/BL3 Cell Sorting
 - Polychromatic Analytical Flow Cytometry
 - Training for Immunological Assay

Quantitative Sciences Core—Director, Cliburn Chan, PhD & Co-Director Hrishikesh Chakraborty, DrPh

[See Core website for more information](#)

- Grant preparation support, including experimental design and data analysis plan
- Support for writing manuscripts, including statistical and bioinformatics review
- Support for data management and administration
- Software and methods development for analysis of immune, genomic, and microbiome assays
- Mathematical modeling of host-virus dynamics
- Workshops for research scientists
 - Data science with R
 - Statistical thinking
 - Complex assay analysis
 - Statistical grantsmanship

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Clinical Core – Director, John Bartlett, MD

[See Core website for more information](#)

- Grant preparation support
 - Pre-application grant reviews, including tailoring aims to specifically address NIH AIDS priorities
 - Consultations on research design and feasibility (including identification of study sites and eligible populations)
 - Linkage to potential collaborative partners (domestic and international)
 - Provide letters of support
 - Community engagement (domestic and international)
- Other Core Services
 - Consultations on study design, feasibility, implementation and recruitment
 - Consultations on planning and implementation of international research studies
 - Mentoring of junior faculty and others
 - Clinical research support including access to patient populations and subject recruitment
 - Regulatory consultations and support both domestic and international
 - Consultations on data and results interpretation and manuscript preparation
 - Assistance with database and biorepository access including specimen ID and procurement

Social and Behavioral Sciences Core – Director, Amy Corneli, PhD

[See Core website for more information](#)

- Grant preparation support
 - Literature reviews
 - Consultation on research questions, study design, data collection and measure selection, and data analysis
 - Framing specific aims to address NIH AIDS priorities
 - Peer review of draft of specific aims and research strategy
 - Provide letters of support from the SBS Core
 - Networking with Duke and external partners
 - Engaging communities
- Post-award support
 - Mentoring
 - Training and capacity building
 - Consultation on research administration and analysis
 - Consultation on research dissemination, including manuscript preparation and community engagement