

## RESEARCH INFRASTRUCTURE CORE SERVICES OFFERED TO AFFILIATED RESEARCHERS

The mission of the HEALTH Center for Addictions Research and Cancer Prevention's Research Infrastructure Core (RIC) is to work in collaborative partnerships to provide comprehensive laboratory techniques, research methodology, data management, analytics, statistical, and qualitative expertise for addictions and cancer prevention research tied to advancing health equity.

**Research Methodology:** This RIC service connects affiliated scientists with tools, technologies, laboratories, and services, including:

- Community-Based Participatory Research
- Connecting RCMI Investigators with Scientists at UH
- Identification of Assessment Resources & Toolkits
- Quantitative Research Designs
- Qualitative Research Designs
- Survey Design & Implementation
- Team Science in Health-Equity Research

**Laboratory Techniques:** This RIC service provides an array of laboratory support and assistance to affiliated scientists such as:

- Advanced Electron & Atomic Force Imaging
- Behavioral Health Interventions
- Dissemination & Implementation Science
- Drug & Alcohol Administration Methodology
- Health Equity Science
- Molecular Pathways & Biomarker Analysis
- Multidimensional Optical Imaging
- Physiological Metabolite Monitoring

- Quantitative Image Analysis
- Sequencing, Gene Expression, Proteomics
- Social Determinants of Health
- Stress Physiology & Neurobiology



**Data Management and Biostatistics:** This RIC service coordinates data management and biostatistical collaborations for affiliated scientists at every stage of the research process – including the provision of support for:

- Codebook Development
- Data Management Plan & Infrastructure
- Data Collection & Entry
- Data Quality Assessment
- Item Response Models
- Measurement Standardization
- Power Analysis/Sample Size & Effect Size Estimation
- Procedural Manuals & Protocol Development
- Reliability & Validity Assessment
- Scale Construction
- Statistical Consultation & Analysis

**Responsible Conduct of Research:** This RIC service provides a forum for affiliated scientists to receive consultation support in unique ethical challenges that arise in health disparities research, including:

- Conflict of Interest
- Data Sharing & Ownership

- Human Subjects Research
- Laboratory Safety
- Research Misconduct
- Vertebrate Animals

**Practices that Guide the Operation of the Research Infrastructure Core (RIC) Include:**

1. Adequate research infrastructure is pivotal to scientists interested in addictions and cancer prevention;
2. Transparent communication supports collaborative research activities affiliated with the Center;
3. Focusing on specific research needs and questions enhances research productivity and research infrastructure utilization.

To request services from the Research Infrastructure Core, please contact Dr. Fatima Merchant ([fmerchant@uh.edu](mailto:fmerchant@uh.edu)) or the HEALTH Center for Addictions Research and Cancer Prevention ([HEALTHrcmi@central.uh.edu](mailto:HEALTHrcmi@central.uh.edu)).



## Contact Us

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