

TRANSLATION TECHNOLOGY

The UCLA-CTSI provides many state of the art technology cores and specialized service cores available to investigators (<http://people.ctsi.ucla.edu/institution/core-display>). The technology core described below is available at Lundquist/Harbor-UCLA. Applications for utilization of these resources are reviewed by the Scientific Advisory Committee of the UCLA-CTSI at Lundquist/Harbor-UCLA. Support for investigators using this core is provided through a voucher system. Please contact the UCLA-CTSI office at 310-222-2503.

BIONUTRITION CORE

The CTRC Bionutrition Core at Lundquist/Harbor-UCLA provides services to outpatient, overnight / extended stay and community based studies. A metabolic kitchen is dedicated to the preparation of nutrient controlled and regular meals. The Bionutrition Core has a metabolic assessment room with DXA, indirect calorimetry, BIA and anthropometric tools that integrates body composition, bone mineral density, and energy expenditure testing. The Bionutrition Core also provides state-of-the-art nutrition computing facilities with programs for nutrient analysis, semi-quantitative food frequency analysis, and design and specification of research diets. The Bionutrition Core personnel are experienced with REDCAP and can facilitate the collection and tracking of nutrition data for research studies. Training in nutrition research methodology is available to research fellows and other students.

Bionutrition Core Unit Resources

- Metabolic Research Kitchen
- Body Composition Core
- Hologic, whole body QDR 4500 Delphi Dual Energy X-Ray Absorptiometry System (DXA)
- Stratec Medizinintechnik GmbH pQCT Bone Densitometer, model XCT 2000L
- Lange and Holtain calipers for skinfold thickness, elbow breadth calipers to measure frame size
- Jamar hand grip dynamometer to measure grip strength
- Bioelectric impedance monitor (RJL Systems) to measure body composition
- Near-infrared spectroscopy to measure body composition
- Abdominal calipers to measure abdominal sagittal diameter
- Vmax indirect calorimeter to measure energy expenditure
- Nutrient analysis software (Nutrition Data System for Research (NDSR))
- Metabolic diet design and tracking (Pronutra)

Staffing

The Bionutrition core unit is managed by a PhD level dietitian, and is staffed by a full time research dietitian and a per diem diet technician.

Contact Information

- Rachelle Bross, PhD Tel: 310-974-9538 or 310-781-3610; rbross@lundquist.org
- Research Dietitian Tel: 310-974-9538 or 310-781-3610; ctsinutrition@lundquist.org

Location: The Liu Ambulatory Research Center, Bldg. RB3, 1124 W. Carson Street, Torrance, CA 90502

Hours: Monday – Friday, 7:30 a.m. – 4:00 p.m.