**CTSI - Clinical Research Services**

**Pediatrics**

**Pediatric Clinical Research Center (PCRC)**

**Neonatal Clinical Research Center (NCRC)**

1. **Resources: Space & Geography:**

The CTSI Clinical Research Services (CTSI-CRS) program offers infrastructure services at three major sites (Parnassus, Mission Bay, and San Francisco General Hospital) and several smaller units located at San Francisco Veterans Administration Medical Center, Children’s Hospital Oakland, and Kaiser Permanente Division of Research. These units are available to UCSF investigators and provide research services, including skilled nursing for a wide variety of multidisciplinary clinical research conducted in both inpatient and outpatient settings. The Pediatric Clinical Research Center (PCRC) unit at the UCSF Benioff Children’s Hospital is a facility comprised of three research service lines.

Outpatient Unit

* Approximately 1000 sq. ft. located on the 6th floor of the Gateway Medical Building
* Two exam and procedure rooms
* Private Phlebotomy area with 3 infusion chairs

Inpatient Services

* Mobile research nurses complete research procedures and data collection within the acute care Pediatric units

Neonatal Clinical Research Unit

* A Clinical Research Coordinator implements research studies in the Intensive Care Nursery, Pediatric Heart Center, and Pediatric Intensive Care Unit.

1. **Nursing Services**

Skilled research nurses with chemotherapy certification & Good Clinical Practice training are available to provide individualized meticulous patient care to ensure optimal study outcomes. A partial list of available Nursing procedures includes*:*

Administration of Investigational Drugs • Administration of Blood Products • Blood Glucose

Monitoring • Complex Specimen Collections • Chemotherapy Administration • IV insertion • Pharmacokinetic Sampling • Oral Glucose Tolerance Test • Phlebotomy • Post-Operative Care • Mixed Meal Tolerance Tests • Patient Monitoring • Questionnaire Administration

1. **NeuroDevelopment Evaluation Services**

Services are available for a variety of neuropsychological assessments for children who participate in research under the auspices of the UCSF PCRC as well as Children's Hospital in Oakland by a professional, licensed Psychologist.

Consultation on study design and participation in dissemination of study findings including the careful analysis of neuropsychological primary endpoints for multiple studies unique to a pediatric population and prospective in nature can be obtained.

1. **Sample Processing Services**

The Sample Processing Lab/Pediatric Clinical Research Center is a 565 sq. ft. BSL II certified lab in the Benioff Children's Hospital. The CRS Sample Processing Core lab provides investigators with high quality processing of blood, urine, CSF, saliva, and other sample types. The laboratory is staffed with three full-time staff members and lab operations are directed by a lab manager..

The PCRC is equipped with two -80 C freezers, centrifuges, liquid nitrogen storage, CO2 incubator and bio-safety cabinets. Each freezer is alarmed and continuously monitored via Checkpoint. In the event of freezer malfunction, samples are transferred to PCRC back up freezers on the 12Moffitt Adult CRC sample processing lab for investigator retrieval until the non-functioning freezer is repaired. Services include:

* Routine sample processing (labeling and identification, processing, shipping and short-term storage)
* Serum and plasma separation and freezing
* Buffy coat preservation
* PBMC isolation (with viable cryopreservation)
* 8 hour pharmacokinetic project support
* A short term storage facility for 12 months including specimen labeling with bar-coded freezer labels and tracking in a sample database
* Shipping (all laboratory staff are IATA certified)

1. **The Neonatal Clinical Research Center (NCRC)**

The NCRC coordinates and oversees research activities in three critical care units in Benioff Children’s Hospital: Intensive Care Nursery, Pediatric Cardiac, and Pediatric Intensive Care. A full-time clinical research coordinator provides assistance with screening, scheduling appointments, and follow-up with the families of participants.

1. **Pediatric Research Disciplines Supported**

*Ongoing research in the* ***PCRC*** *includes studies in the Pediatric divisions of:*

Endocrinology • Adolescent Medicine • Immunology • Rheumatology • Genetics • Gastroenterology • Urology • Hematology • Oncology• Cardiology • Surgery • Hepatology • Nephrology • Bone Marrow Transplant • Neuro-Oncology • Neonatology • Neurology • Collaborative projects with Nursing, Internal Medicine, Psychiatry, Surgery, and Radiology

All clinical research protocols conducted in the PCRC and NCRC are approved by an Institutional Review Board (IRB) and have received a scientific review.