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Key Function of Origin: RCMI Administration
Procedure Approval Authority: Misty Eaton, Ph.D.

Puerto Rico Clinical and Translational Research Consortium

Procedure Title: Common Instrumentation Area and Services
Issuing Date: 03/04/2011

I. Overview/Procedure Description:

The Common Instrumentation Area and Services Unit (CIAS) has the objective of providing the investigators at UCC with the major equipment and services that are needed for developing and executing high quality research projects. Under the umbrella of the CIAS, there is a machine shop and an electronics workshop. These workshops are maintained by two technicians who are dedicated to fulfilling the needs of the scientific community at UCC.

Equipment:

Incubators

- Forma Scientific Mod. 3158 Incubator
- Thermo Forma Mod 3110 Incubator
- Thermo Forma Mod. 3110 Incubator
- Forma Scientific Mod. 3158 Incubator
- Fisher Scientific Refrigerated CO2 Incubator

HPLC

- Waters Breeze HPLC System

Fume Hoods

- Allied Research

Osmometry

- μ Osmet

Thermal Cyclers

- Applied Biosystems Geneamp PCR 2700
- Perkin Elmer 480
- BioRad iCycler Real Time PCR System

Biological Safety Cabinets

- Forma Scientific Model 1100
- Labconco Purifier Class II

Microtomes

- Leica Cryocut 1800
- Vibrotome

Water Baths

- Fisher FS-14 Ultrasonic Bath
- Precision 183 Water Bath

Microscopes

- Nikon Labophot

Centrifuges

- Beckman J2-21
- Beckman L-7
- Beckman L8/M
- Beckman Avanti J-25
- Beckman TLX

Radio Isotope

- Beckman LS6500 LS counter (2)
- Beckman Gamma 5500
- Wizard 2 2-detector Gamma Counter

Fluorometry

- Beckman LS-50B Fluorometer with plate reader Upgrade

Equipment in Electronics Workshop

- Oscilloscope, storage. TS-8123 (Iwatsu)
- A small table top drill press
- Soldering desoldering station
- Portable oscilloscope (Fluke-Scope)
- Cold gun
- DC power supply
- Frequency counter
- Multimeter Fluke 87
- 2 transistor testers
- capacitance meter
- degasser
- CO2 calibrator (combustion test kit)
- Multiplexer
- Signal generator

- Nikon TMS

Spectrophotometry

- Beckman DU-520 UV/VIS
- Pharmacia Biotec Genequant II

Water Purification

- Barnstead MP-11 Distiller
- Millipore Milli Q
- Barnstead MP-6 Distiller

Miscellaneous Equipment

- Seward Stomacher 80

Equipment in Machine Shop

- Stand alone drill press
- Table circular saw
- Vertical milling machine
- Milling machine accessories
- Drill press and accessories
- Bench grinder and accessories
- Bench lathe and accessories
- Vertical band saw and accessories
- Horizontal band saw and accessories
- Mig welder and accessories
- Safety equipment

II. Area(s) of Responsibility:

Common Instrumentation Area and Services: RCMI Administration.

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III. Procedure Details:

See Guidelines for the use of the RCMI-UCC and PRCTRC (TRCL) at UCC (Doc. 002).

IV. References:

1. Consortium Agreement.

V. Help Page: Period training in the use of the above mentioned facilities through seminars and workshops.