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Key Function of Origin: Physiology Department  
Procedure Approval Authority: Priscila Sanabria, Ph.D.

## Puerto Rico Clinical and Translational Research Consortium

**Procedure Title: Optical Imaging Facility**

**Issuing Date: 03/04/2011**

### I. Overview/Procedure Description:

The Optical Imaging Facility (OIF) is core facility established to provide the equipment, training, technical, and scientific expertise necessary to optimally carry on applications requiring image capture and processing from live and fixed specimens. The OIF also provide services for the preparation on specimens through its Immunocytochemistry Laboratory and technical support for each of the components.

#### Equipment:

- Sutter DG-4 and Lambda 10-2 illumination systems
- Olympus XI-Inverted Fluorescence Microscope
- Pentium IV Workstations
- Princeton Instruments Pentamax and Hamamatsu Orca Cool CCD cameras
- Isolation tables
- CO<sub>2</sub> Incubators
- Laminar flow and Clean bench hoods
- PTI dual excitation spectrofluorimeter
- Olympus BH2 Fluorescence Microscope with camera Attachment, Cool Snap HQ · CCD Camera, Pro-Scan Z Stepper
- Confocal

### II. Area(s) of Responsibility:

**Optical Imaging Facility:** Physiology Department.

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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 via seminars and workshop.