

## Statement of Work (SOW)

Scope of Work: The contractor shall provide the following as listed below in the SOW. Please note that this **is a salient requirement, and is not flexible. The following are the minimum salient characteristics that must be met:**

This will be a turn-key operation, with the contractor responsible for installation of new equipment and connection as needed. The contractor will be responsible for the shipping, delivery, uncrating, and installation of the new system. Training on the use of the new system will be provided by the contractor.

### 1. Contracting Officer's Representative (COR).

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### 2. Contract Title. Purchasing a Biovision Twincam Targeted Fluorescent System

### 3. Background.

This is a specialized device that is specially built. The apparatus is essentially an integrated dual camera imaging system with a multi-line solid-state light source that provides both excitation light for the exogenous fluorescent probe and white light illumination for bright field imaging. Spectral filters split the fluorescent and white light signals, which are then directed to specific cameras. The CCD cameras are co-registered such that an overlay of two images permits precise transverse location of the fluorescent probe with respect to the tissue. The uniformity and stability of the light source and scientific cameras has yielded reproducible high-quality two-dimensional (2D) images in vivo during surgery. The light source and dual CCD cameras are computer controlled and integrated into the imaging software, while the signals are processed by a computer and are co-displayed on a color monitor. The software provides the surgeon with camera controls such as shutter speed and gain, further enabling the surgeon to control thresholds for fluorescence detection. In the final display, the tumor overlay is translucent so that the surgeon can still see anatomical detail.

#### **4. Scope.**

The contractor will be able to provide the following systems:

- (2) PCO Pixelfly, Mono, 14-bit, with 1392 x 1040 format SONY CCD, c-mount adapter. Includes power supply and cables.
- TinCam Dual Camera with Optosplit filter cube
- FITC dichroic & emitter
- Nikor Lens
- MetaMorph Basic Software package with Camera acquisition option (5012686) & Illumination Option (40010)
- Dell Computer with Windows 7, 64-bit and 24" monitor

The contractor will be able to provide the following service associated with the Helios upgrade at no charge:

- Integration of above items includes custom software interface & installation and support of system.

**Start date:** As soon as possible

**Length of Service:** N/A

#### **Work Tasks and Deliverables**

Deliver and install all items listed above in building 21, Research Building, at 3900 Woodland Ave, Philadelphia, PA 19104.

#### **DISCLAIMER**

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