

## STATEMENT OF WORK (SOW)

Date: 06/25/2014

Contract Number:	
Task Order Number:	
IFCAP Tracking Number:	
Follow-on to Contract and Task Order Number:	

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

Name:	
Section:	RESEARCH
Address:	
Phone Number:	
Fax Number:	
E-Mail Address:	

### 2. Contract Title. *(Provide a short, descriptive title of the work to be performed)*

Purchase of a thermal stage top incubator compatible with the Olympus IX70 inverted microscope.

3. Background. SPOT Imaging Solutions develops integrated imaging systems for clinical, bioresearch, education and industrial applications. The systems are recognized worldwide for their ease of use, excellent performance, high reliability and incredible customer support.

SPOT Imaging Solutions manufactures scientific CCD and CMOS digital cameras, imaging software, macro imaging stands, camera adapters, and stereo microscope support stands. The company is also an authorized distributor of Carl Zeiss microscopes and other high quality imaging equipment.

### 4. Scope.

Tokai Hit Thermo Plate™ optical clear glass microscope heating stages provide even heat distribution by eliminating the central heat sinks used in metal stage warmers. Stage top incubators provide precision humidity, CO<sub>2</sub> and thermal control for real time live cell imaging. SPOT Imaging Solutions carries the complete line of Thermo Plate heating stages and stage top incubators for inverted, stereo and upright light microscopes.

- Consistent temperature distribution
- Large working space for specimens
- Accurate and reliable thermal control

#### Features:

- For use with inverted microscopes
- Preset specimen temperature range 20°C-40°C
  - Long working distance/dry lens: 15°C-40°C

- o Short working distance, oil/water immersion lens: 20°C-40°C
- Sample temperature feedback control
  - o Allows precise specimen temperature adjustment. Possible to adjust sample temperature close to ambient. This system has both cooling and heating function and by automatically shifting the function, it allows stable and smooth ambient temperature control.
  - o Determines optimal stage heater temperature setting value for room temperature during preliminary operation and incubates sample without inserting sensor into a dish during operation.
  - o Neco's exclusive software outputs sample temperature to PC.
- Wide range of applicable dishes
- Compact design with long term stable environment
- Focus stability designed to minimize Z-axis focus drift. Exceptional stable focus allows steady confocal imaging and time-lapse.
- Clear glass heater installed in top heater prevents condensation, allowing clear and continuous transmission of illumination and imaging.
- Ease of setup and operation.

5. Specific Tasks. We will use the thermal stage top incubator on top of our inverted microscope allowing us to capture time-lapse images of live cells and tissue without removing them from the microscope. This will give us a method to capture changes occurring over a long period of time, up to several days. This incubator gives us a method of thermal control and a means to provide 5% CO<sub>2</sub> gas continually. It also allows us to control the shutter opening and closing during a short capture of the cells so that the cells are not constantly exposed to the fluorescent light causing bleaching. We will use this equipment to conduct experiments and collect data where time-lapse results are critical.

#### 5.1 Task 1 - Enterprise Management Controls. *N/A*

##### 5.1.1 Subtask 1 - Integration Management Control Planning

##### 5.1.2 Subtask 2 - Contract Management

**Deliverables:**                      **Contract Management Plan** *(Again, example. You may not have deliverables)*  
    **Monthly Status Report**

#### 5.2 Task 2. *(Description)*

##### 5.2.1 Subtask 1. *(Description)*

##### 5.2.2 Subtask 2.

**Deliverables:**

#### 6. Performance Monitoring: *N/A*

7. Security Requirements

Performance of this contract does not require the Contractor access to VA computers, computer system, or medical records.

8. Government-Furnished Equipment (GFE)/Government-Furnished Information (GFI).

Performance of this contract does not require GFE or GFI.

9. Other Pertinent Information or Special Considerations.

a. Identification of Possible Follow-on Work. N/A

b. Identification of Potential Conflicts of Interest (COI). N/A

c. Identification of Non-Disclosure Requirements. N/A

*Contractors must execute non-disclosure agreements when they work with sensitive and/or proprietary information. Your SOW must identify any sensitive or proprietary information to which the contractor will have access during contract performance so the non-disclosure agreements can be signed by the time the contract is awarded.*

d. Packaging, Packing and Shipping Instructions. N/A

e. Inspection and Acceptance Criteria. N/A

10. Risk Control: N/A

11. Place of Performance. N/A

12. Period of Performance. N/A

13. Delivery Schedule. N/A