

JUSTIFICATION FOR SINGLE SOURCE AWARDS IAW FAR 13.106-1
(OVER MICRO-PURCHASE THRESHOLD(\$3K) BUT NOT EXCEEDING THE SAT (\$150K))

IAW [FAR13.104](#), COs must promote competition to the maximum extent practicable to obtain supplies and services from the source whose offer is the most advantageous to the Government, considering the administrative cost of the purchase. When competition is not practicable, IAW [FAR13.106-1\(b\)](#), COs solicit from a single source for purchases not exceeding the simplified acquisition threshold. COs may solicit from one source if the CO determines that the circumstances of the contract action deem only one source reasonably available (e.g., urgency, exclusive licensing agreements, brand-name or industrial mobilization). IAW [FAR13.106-3\(b\)\(3\)](#), COs are required to include additional statements ***explaining the absence of competition*** (see [13.106-1](#) for brand name purchases) if only one source is solicited and the acquisition does not exceed the simplified acquisition threshold (does not apply to an acquisition of utility services available from only one source) or supporting the award decision if other than price-related factors were considered in selecting the supplier. This template when completed can be used to document single source awards IAW [FAR13.106-3\(b\)\(3\)](#). Note: Statements such as "only known source" or "only source which can meet the required delivery date" are inadequate to support a sole source purchase.

1. PURCHASE REQUEST OR REQUISITION NUMBER:

689-17-2-373-0100

**1A. PROJECT/TASK
NUMBER****1B. ESTIMATED AMOUNT:**

\$146,231.88

2. BRIEF DESCRIPTION OF SUPPLIES OR SERVICES REQUIRED AND THE INTENDED USE:

In order to study the single cell changes occurring in PTSD and MDD brain, we require the Leica LMD6 Microdissection Microscope System to perform single cell capture of neurons and glia cells in post-mortem tissue. The Leica uses a drop mechanism to isolate the cells making for the most efficient way to perform this experiment.

3. UNIQUE CHARACTERISTICS THAT LIMIT AVAILABILITY TO ONLY ONE SOURCE, WITH THE REASON NO OTHER SUPPLIES OR SERVICES CAN BE USED:

Leica is the only microscope system that enables the cell to drop into a microtube making it the most compatible with the previous work we have done. It is also contact and contamination free which is essential for RNA work. The Leica LMD6 guides the laser beam via optics, independent of the stage, for highest cutting speed and precision of the laser. Unlike all other models the Leica moves the laser for cutting not the stage. This is important for cutting the type of tissue we are using in this research study.

4. REASON THAT SUGGESTED SOURCE IS THE ONLY SOURCE, WHICH CAN PROVIDE THE SUPPLIES OR SERVICES:

Leica is the only microscope with the ability to drop specimens into the tube. This is the method we have used in previous studies and using an alternative would interfere with the continuity of the previous scientific work.

5. DESCRIPTION OF MARKET RESEARCH CONDUCTED AND RESULTS OR STATEMENT WHY IT WAS NOT CONDUCTED:**Thermo-Fisher: Arcturus XT**

- This system does not have the modularity of the Leica System
- The samples are propelled into the centrifuge tube making contamination more likely
- IR laser potentially damages DNA and RNA

Zeiss LCM: The Palm

- Inflexible. Lacks the modularity of the Leica system.
- Air propelled samples make contamination possibility higher

6. Contracting Officer's Certification: *Purchase is approved in accordance with FAR13.106-1(b). I certify that the foregoing justification is accurate and complete to the best of my knowledge and belief.*

Signature: _____

Date: _____

Name: _____

Title: _____

Facility: _____