Proposed Sole Source Purchase Form

Pursuant to New Mexico Procurement law, the UNM Purchasing Department will post your completed form on the UNM Sunshine Portal for 30 days prior to purchase of the goods/services.

I. GENERAL INFORMATION. PLEASE PROVIDE THE FOLLOWING:

<table>
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<tr>
<th>Date of Request</th>
<th>Requisition Number (If Applicable)</th>
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<tr>
<td>June 12, 2019</td>
<td>118929914</td>
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**Request Submitted by:** Samantha Ragan  
**Title:** Faculty Coordinator

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<tr>
<th>Department</th>
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<tbody>
<tr>
<td>Anesthesiology &amp; Critical Care Medicine</td>
<td><a href="mailto:sragan@salud.unm.edu">sragan@salud.unm.edu</a></td>
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**Proposed Vendor:** Scientifica, LCC  
c/o John Girbert  
**QLS-44983**  
**Amount:** $115,000.07

Buyer Team - See Commodity list at [http://www.unm.edu/~purch/commcodes.pdf](http://www.unm.edu/~purch/commcodes.pdf)

Provide a basic description of goods/services to be provided:

Scientifica, LLC  
SliceScope Pro 1000 System

**Why is this purchase needed?**

This electrophysiological system is essential to the research effort in the Anesthesiology Pain Lab. The same equipment has been used by new faculty recruit, Dr. Sascha Alles, and the equipment is a stated part of his recruitment package. The system is not configured in this way by any other vendor, but would need to be purchased in separate pieces. This package can be supplied by Scientifica at a substantial package price savings to UNM.

II. BASIS FOR SOLE SOURCE PROCUREMENT. CHOOSE APPLICABLE BOX(ES) AND PROVIDE ADDITIONAL INFORMATION, AS REQUESTED:

☒ Proprietary item, technology or service only available from the proposed vendor. (Check box and describe proprietary component)

- Full integration of Microscope objective and condenser focus, XY translation, micromanipulators, objective changing and other devices for simple interface display and increased productivity.
- The SliceScope Pro system allows the user to synchronize movement between the manipulators and the microscope stage. This unique software feature keeps the tips of the electrodes within the field of view whilst the user searches for cells.
- The SliceScope system allows easy access to the field iris and the polarizer adjusting wheel, making it less likely that the user will dislodge positioned electrodes when making adjustments to the iris and wheel. This means that the optics can be optimized whilst doing recordings.
- Both the objective focus arm and the condenser focus arm are motorized. This enables the researcher to adjust focus optimally on both components remotely without risking disruption of electrodes, resulting in better optical resolution and clearer images.
- Super-stable frame built and designed for multiple patch-clamp recording ensures no stability issues caused by manipulation of the system. All systems are also designed for electrophysiological recordings, and as a result all components are fully isolated and tested to ensure absence of electrical noise.
The SliceScope Pro system includes our PatchStar micromanipulators. Some unique features of the PatchStar Micromanipulators include:

- **The PatchStar Modular design** enables manipulators to be easily and swiftly interchanged between left and right-handed configurations. This also enables the user to interchange the X, Y and Z axes between the two micromanipulators. The difference axes attach to each other via a dovetail and this enables the user to slide the axes along the dovetails to gain extra reach in space limiting situations.
- The PatchStar is **noise free** to allow recording of the smallest electrical signals.
- The PatchStar has a **very small foot print** which allows the user to place a number of manipulators closer together which increases the user’s productivity.
- Pipette **exchange is unique** and is done in a space saving manner. This enables the end user to exchange pipettes without bumping into equipment mounted around it.
- The PatchStar can be configured to suit many different users using our **LinLab software** which is supplied free with the micromanipulator.
- The PatchStar has many optional **accessories** that can transform the micromanipulator’s physical appearance to suit non-standard applications. Using the PatchStar therefore future proofs the end users experimental setup.
- By moving the Z and X axes together a **virtual 4th axis** is achieved. This is a cost effective way of enabling the end user to approach the sample at a preset angel because the cost of a dedicated 4th motor is not required. A preset angle can also be chosen to suit the chamber and objective being used.
- The PatchStar has **20nm resolution** which enables targeting of the finest structures and **drift specification of <1 micrometer** over a 2 hour period. This enables the end-user to record from very fine structures over a longer period.

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<th>Compatibility requirement with existing item, technology or service. (Check box and describe compatibility requirement)</th>
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| - The **modular and spacious design** of the SliceScope offers the ability to add large (up to 2”) sub-stage optics for applications such as multi-photon imaging. This allows for optimal photon collection from below the sample.  
- The **narrow profile** of the SliceScope frame, which allows more space around the sample. This is a crucial benefit for researchers who need multiple electrode access.  
- The substage optics on the SliceScope can be easily removed, which allows the user with enough space to comfortably position a stereotaxic frame underneath the objective. |

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<th>Renewal of support/maintenance/subscription of software, technology or other intellectual property. (Check box and describe)</th>
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☐ Other Basis for Sole Source: Please describe below:

III. SUPPLEMENTAL DETAILS. PLEASE PROVIDE ADDITIONAL INFORMATION AS REQUESTED BELOW:

Describe in detail the unique capabilities of the proposed vendor’s goods/service and/or personnel performing the work and why this constitutes the *only* source. Focus on what is unique about the goods/service and why no other vendor could meet your needs.

The system is not configured in this way by any other vendor, but would need to be purchased in separate pieces. This package can be supplied by Scientifica at a substantial package price savings to UNM.

Describe the due diligence made to locate other possible sources including communications with other universities, communications with similar providers, web searches, yellow page searches, review of advertisements and trade publications, etc.
List the other vendors who were contacted. Please describe the specs/qualifications/criteria that the other vendors were unable to satisfy.