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>
<thead>
<tr>
<th>Date of Request</th>
<th>7/13/2018</th>
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<tbody>
<tr>
<td>Request Submitted by:</td>
<td>Laura Gonzalez Bosc</td>
</tr>
<tr>
<td>Department</td>
<td>Cell Biology and Physiology</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:lgonzalezbosc@salud.unm.edu">lgonzalezbosc@salud.unm.edu</a></td>
</tr>
<tr>
<td>Buyer Team - See Commodity list at</td>
<td><a href="http://www.unm.edu/~purch/commcodes.pdf">http://www.unm.edu/~purch/commcodes.pdf</a></td>
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<tr>
<td>Proposed Vendor</td>
<td>Transonic Systems Inc.</td>
</tr>
<tr>
<td>Amount</td>
<td>$103,187.00</td>
</tr>
<tr>
<td>Phone</td>
<td>505-272-0605</td>
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Provide a basic description of goods/services to be provided:

This equipment allows simultaneous monitoring of blood pressure, heart rate, and regional blood flow in conscious rats via telemetry.

Why is this purchase needed?

It is needed because we do not have a system that allow us to record blood pressure and blood flow in rats while they are housed in their regular cages or under experimental conditions remotely, without disturbing them. That reduces stress, which significantly affects hemodynamic parameters then reducing the reliability of the data.

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)

EndoGear is the only commercially available telemetry implant that includes blood flow measurement by either transit time or Doppler flowprobes. A complete list of measurement parameters includes sensors for Flow, Pressure, ECG, Temperature.

Solid state pressure sensors have higher fidelity than traditional fluid filled sensors for measurements of arterial pressure, LVP, ICP. Combined endovascular Doppler flow & pressure sensors allow for simultaneous measurements of flow and pressure at the same location.

Sensors are uniquely replaceable in the implant by the end user, allowing the system to be configured for various protocols that may require different size sensors or sensors for different parameters.

Batteries are also replaceable by the user to extend implant time, and do not require servicing at the factory each time to replace the battery in the implant.

Bidirectional communication means that the subject does not need to be disturbed to turn on the implant to collect data or turn off the implant to conserve power.
Implants are custom configured for user needs with a wide range of sensors that are custom configured to user request (length, size, measurement parameter)

☐ Compatibility requirement with existing item, technology or service. (Check box and describe compatibility requirement)

☐ Renewal of support/maintenance/subscription of software, technology or other intellectual property. (Check box and describe)

☐ 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.
In order to measure flow and pressure simultaneously via telemetry, Transonic has the only commercially available system on the market. This combination of hemodynamics is particularly powerful in explaining changes to the cardiovascular system, making it ideal for our research.

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.

We searched the literature in PubMED and google

List the other vendors who were contacted. Please describe the specs/qualifications/criteria that the other vendors were unable to satisfy.

None because no other vendor offers a comparable system.