

Notice of Intent to Certify Sole Source

To: Interested Parties

From: Stacy Baldwin
Agency Procurement Officer

Date: September 10, 2015

Re: Sole Source Certification Number SS0005 for the proprietary hardware and software upgrades of an existing fluorescent microscope made by Intelligent Imaging Innovations (3i)

Contact Email Address: solesource@umc.edu

Sole Source Certification Award Details

Regarding UMMC Sole Source Certification Number SS0005 for the proprietary hardware and software upgrades of an existing fluorescent microscope made by Intelligent Imaging Innovations (3i), please be advised that UMMC intends to award the purchase of the proprietary hardware and software upgrade of an existing fluorescent microscope made by Intelligent Imaging Innovations (3i) to Intelligent Imaging Innovations (3i) as the sole source provider of the proprietary hardware and software upgrades of an existing fluorescent microscope made by Intelligent Imaging Innovations (3i).

UMMC issues this notice in accordance with Mississippi state law, policy, and procedures for sole source procurements.

Sole Source Criteria

1. Where the compatibility of equipment, accessories, or replacement parts is the paramount consideration (and manufacturer is the sole supplier).
2. Where a sole supplier's item is needed for trial use or testing.
3. Where a sole supplier's item is to be required when no other item will service the needs of UMMC.

Schedule

Task	Date
First Advertisement Date	September 10, 2015
Second Advertisement Date	September 17, 2015
Response Deadline from Objectors	September 24, 2015, at 3:00 p.m. Central Time
Notice of Award/No Award Posted	Not before September 24, 2015

Project Details

UMMC's Department of Pathology is requesting a proprietary hardware and software upgrades for an existing fluorescent microscope made by Intelligent Imaging Innovations (3i). The requested upgrade will combine new software and hardware with the existing 3i microscope platform, allowing for repurposing of a "workhorse" microscope at a substantial savings over purchasing an entirely new microscopy system. Justification if present as the upgrade is thus required in this instance to be compatible with an integral part of the existing Intelligent Imaging Innovations (3i) fluorescent microscope, serving as a replacement or repair part, and as a component to be interfaced with the existing fluorescent microscope for interchangeability.

Clinically, the 3i upgrades will allow for high acquisition speed for the collection of images for living cells through dynamic imaging which does not damage the cells. Such speed is coupled with new more powerful high performance work station. The work station will include 32GB 2133MHz DDR4 RAM, 4GB Nvidia Quadro K2200 workstation graphics card that manage the long term (time-lipase), high resolution, multichannel images. The quote includes a CSU-W1 system with the following features: CSU-W1 offers deep and clear imaging capabilities designed with a large field of view for sCMOS and 1K EMCCD cameras, with a 200 fps image production speed. The CSU-W1 features increased pinhole spacing for decreased cross-talk and deep tissue imaging with 50µm and 25µm pinhole disks for high and low NA objectives. The CSU-W1 is available with optional simultaneous 2-camera imaging or 2-channel split-view imaging capabilities. Double-disk design includes a native disk-bypass mode position for widefield imaging. The CSU-W1 optionally supports near-IR excitation to 785nm. This CSUW version has a large field of view matched to the high resolution sCMOS camera in this proposal, the Hamamatsu Flash4.0. With this new confocal and camera combination, included a high quality 100x 1.46 objective. The quote also includes a set of four high powered lasers and the appropriate emission filters for 4-color work. All of these upgrades are paramount to UMMC's continued neurological research funding and development, with experimental compounds being tested daily for effectiveness for such conditions as Alzheimer's and Parkinson's disease(s). Future funding for such research requires that the requested upgrades be made to the existing 3i microscope.

Please refer to the 3i letter dated May 8, 2015, regarding sole source status, attached hereto as Attachment A.

The amount to be expended for the upgrade of the existing older fluorescent microscope made by 3i is \$219,551.00, including shipping. This amount is within the expected price range of this caliber of advanced microscope upgrade. Intelligent Imaging Innovations (3i) is the sole manufacturer and exclusive distributor for the new proprietary software and hardware upgrades. All applicable discounts were explored and applied.

Submission Instructions and Format of Response from Objecting Parties

Interested parties who have reason to believe that the proprietary hardware and software upgrade for an existing fluorescent microscope made by Intelligent Imaging Innovations (3i) should not be certified as a sole source should provide information in the following format for the State to use in determining whether or not to proceed with awarding the sole source to Intelligent Imaging Innovations (3i).

1.1 Interested Party Information

1.1.1 Company Name and Address

1.1.2 Contact Name, Phone Number, and Email Address

1.1.3 Company Website URL, if applicable

1.2 Objection to Sole Source Certification

1.2.1 Interested parties must present specific objections to the sole source certification, including, but not limited to, the following:

1.2.1.1 A detailed explanation of why Interested Party believes the proprietary hardware and software upgrade for an existing fluorescent microscope made by Intelligent Imaging Innovations (3i) is not a sole source procurement.

1.2.1.2 If Interested Party claims a comparable product exists, the objection must contain:

1.2.1.2.1 A description of the commodity that Interested Party believes is comparable to the proprietary hardware and software upgrade for an existing fluorescent microscope made by Intelligent Imaging Innovations (3i);

1.2.1.2.2 An explanation of why Interested Party's commodity can also meet the needs of the agency; and

1.2.1.2.3 A list of sources from which Interested Party's commodity may be procured.

1.2.1.3 If Interested Party claims that the proprietary hardware and software upgrade for an existing fluorescent microscope made by Intelligent

Imaging Innovations (3i) is available from a source other than Intelligent Imaging Innovations (3i), the objection must contain:

1.2.1.3.1 A written statement from Intelligent Imaging Innovations (3i) that Interested Party is an authorized distributor or reseller of the proprietary hardware and software upgrade for an existing fluorescent microscope made by Intelligent Imaging Innovations (3i).

1.2.1.4 A statement regarding the Interested Party's capabilities as related to this sole source certification.

1.3 Objections must include the certification in Attachment B.

1.4 Comments will be accepted at any time prior to Thursday, September 24, 2015, at 3:00 p.m. (Central Time) to solesource@umc.edu. Responses may be delivered via email to solesource@umc.edu. UMMC WILL NOT BE RESPONSIBLE FOR DELAYS IN THE DELIVERY OF RESPONSES. It is solely the responsibility of the Interested Parties that responses reach UMMC on time. Responses received after the deadline and responses that lack all required information will be rejected. UMMC reserves the right to inspect Interested Party's commodity for comparison purposes.

If you have any questions concerning the information above or if we can be of further assistance, please contact solesource@umc.edu.

Attachment A: Vendor Correspondence

Attachment B: Objection Certification



3i Intelligent
Imaging
Innovations

www.intelligent-imaging.com

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May 8, 2015

To Whom It May Concern:

Intelligent Imaging Innovations (3i) builds fully automated and integrated microscope imaging systems for performing experiments from simple 2D imaging to multiple-location rapid 4D (x,y,z and time) imaging in both fluorescence and bright field modes. 3i custom electronics and **SlideBook 6.0 software give 3i systems faster performance than any other systems¹** on the market.

3i designed and built Dr. Junming Wang's current microscopy system, and we are doing the same with the upgrade components that the department has requested. We are the only organization that can provide this specific upgrade path for his unique microscope system. 3i is the manufacturer of the core system and SlideBook 6.0 software and an authorized official dealer of the requested Yokogawa CSU-W confocal.

Dr. Junming Wang and his colleagues at the University of Mississippi Medical Center have described to us their specific needs for high speed imaging of living cells, and the 3i system upgrade is uniquely suited to the task.

The SlideBook 6.0 imaging system can be expanded to perform other imaging techniques that may be required for future research directions. These include confocal upgrades (both scanning and spinning disk), TIRF, multi-photon and Fluorescence Lifetime Imaging Microscopy (FLIM). **No other system in the market can be upgraded with all of these technologies.**

¹Acquisition Speed Comparison of Microscope Software Programs OLIVER BIEHLMAIER, JOACHIM HEHL, AND GABOR CSUCS* Light Microscopy Centre, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland MICROSCOPY RESEARCH AND TECHNIQUE 74:539-545 (2011)

Respectfully Submitted,

Samuel Connell
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Attachment B

**SUBMITTED IN RESPONSE TO
Sole Source Certification No. SS0005
Accepted until September 24, 2015, at 3:00 p.m.**

I certify that the information contained in this objection is true and accurate to the best of my knowledge. I understand that UMMC will investigate all statements made in this objection and that any false or misleading information provided may result in adverse action.

Objector Name
Objector's title

Date