STATE OF MISSISSIPPI
UNIV OF MS MEDICAL CENTER
Req. for Information

RESPONSES REQUIRED BY:

Submission Date : 11/01/2018
Submission Time : 15:00:00 CST

RESPONSES OPENED ON:

Opening Date : 11/01/2018
Opening Time : 15:00:00 CST

VENDOR NO:
VENDOR NAME & ADDRESS:
(To be completed by Vendor)

SUBMIT NON-ELECTRONIC RESPONSE:

TO :
100 CAPITOL STREET
JACKSON MS 39201
US

DELIVERY POINT

RFx number : 3150001802
Smart number : 9275-19-R-RFIN-00030
Buyer : WF-BATCH
Buyer Phone :
Email : no-reply@dfa.ms.gov

NOTICE TO VENDOR:

nly product on the market that can perform all of the above functions.
mat resolution up to 8192 x 8192 for all PMT channels.

The Zeiss LSM 880 confocal laser-scanning microscope with Airyscan is the otative comparisons of fluorescent intensities and/or numbers of fluorescent molecules, both within and across samples.
8) Image foruce variability across samples.
7) Absolute linear scanner movement to ensure equal pixel dwell-times, which is required for quantild from 0-360 degrees to correct for angular movements of cells over time with live imaging as well as to standardize images and redg experiments the lasers can be powered up to 100% (i.e. we need the broadest dynamic range possible).
6) Freely rotatable scan fie can be turned down to less than 0.005% and for low light fluorophores and/or deep imaging via multiphoton and/or for photo bleachinl via software integration of laser intensities where, for standard confocal experiments using bright fluorophores, the laser power main beam splitter with two separate 13-position MBS wheels that allows for up to 50 different laser combinations.
5) Tight controture use that the system be upgradeable to be able to work with greater numbers of laser combinations. This system uses a twin-gatets, and we also need to operate at this speed with super-resolution (< 120nm lateral resolution).
4) It is critical for intended fung of the excitation laser to provide the option of 4X scan speed over traditional laser point scanning for time-sensitive experimen light in 10nm increments with a per window resolvability of 1nm in either direction.
3) Researchers are seeking diffraction breaki separation, which can only be achieved by prism-based separation, a micro-lens array, and a spectral detector capable of filtering capability to simultaneously image several fluorophores with overlapping emission spectra to the degree of at least 30 channels of fluorophores, but rather works with standard fluorescent proteins that already present in laboratory models.
2) The lab needs theh laser light emission including multi-photon laser excitation and does not require the use of photo-switching or other specializedg multi-photon confocal microscopy. In order to meet research needs, the system must have super-resolution capability that works witorescent light into 30 or more channels and super-resolution imaging, in particular super-resolution imaging of deep structures usinhe Research lab is in need of an instrument capable of the following:
1) An instrument that allows for the separation of emitted flu to operate the equipment, acquire images and other data, and analyze the acquired data.

In order to carry out proposed research, t Array Detector + FAST AiryScan Super resolution laser scanning confocal microscope system with accompanying computers and software
Sole Source Notice for Zeiss LSM 880 Confocal Laser scanning microscope with Airyscan and all related

accessories from Notice of Intent to Certify Sole Source.

ADDITIONAL CONTACT INFO:
Please submit notice to solesource@umc.edu

Vendor Telephone Number	Title	Date

(Typed or printed) Name of Bidder	Signature of Authorized Bidder

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Item	**Change Indicator**	**Product No. / Mfg. Part No.**	**Description**	**Delivery / Req.date**	**Qty**	**Unit**
# 1			Product Category : 46500 Zeiss LSM 880 Confocal Laser scanning		0.000	