

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANSARI NAGAR, NEW DELHI-29.  
STORES SECTION (DO)**

**Ref. No. 22/Stores (DO)/RB/Proprietary/2013-14/FSC**

**Dated: 27.02.2014**

**Sub:- Purchase of Software for Microarray** for the department of Reproductive Biology, (AIIMS), New Delhi-29, on proprietary basis **Inviting comments thereon.**

\*\*\*\*\*

The Institute is in the process to purchase **Software for Microarray** for the department of Reproductive Biology, (AIIMS), New Delhi from M/s. BioDiscovery on proprietary basis. The proposal submitted by M/s. BioDiscovery and PAC Certifications are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference **No.22/Stores (DO)/RB/Proprietary/2013-14/FSC**. The comments should be received by office of Sr. Stores Officer (DO), Store Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before 15.03.2014 upto 12.30 p.m., failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

**Yours faithfully,**

**Sr. STORES OFFICER**

**Encl: Related documents enclosed.**



# BioDiscovery

5155 ROSECRANS AVE. SUITE 310  
HAWTHORNE, CA 90250

www.biodiscovery.com

Phone: (310) 414-8100 Fax: (310) 414-8111

## Proforma Invoice

Date	Invoice #
1/28/2014	13129

**PENDING**  
(non-posting)

<b>Bill To</b> All India Institute of Medical Sciences Genetic unit Old O.T Block, AIIMS New Delhi, Delhi 110029 India	<b>Ship To</b> Send electronically to Ashutosh Halder: ashutoshhalder@gmail.com
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P.O. Number	Terms	Ship
	Net 30	1/28/2014

Quantity	Item Code	Description	Price Each	Amount
	BDI8120-AS3	Nexus Copy Number Standard Edition 3-Year License Node-Lock. Serial Number: BDINX1086		
	Academic	40% Academic Discount		
	Special Discount	15% Multi-Year Discount		
	Wire Transfer	***** PAYMENTS MUST BE MADE VIA WIRE TRANSFER. WE DO NOT ACCEPT CHECKS AT THIS TIME. *****  Wire Transfer Information: Pay to: FC--Wells Fargo Bank, 420 Montgomery St., San Francisco, CA 94104 USA  Routing & Transit #: \FW:121000248, Swift Code: WFBIUS6S For Credit of: BioDiscovery Inc, Final Credit Account #: 7833435816		
Quote #12814HA01254 *Prices Not Listed*			<b>Total (in USD)</b>	\$0.00

  
**डॉ० आशुतोष हाल्दर/Dr. Ashutosh Halder**  
 अपर-आचार्य/Additional Professor  
 प्रजनन प्रौद्योगिकी विभाग/Reproductive Biology  
 अंमलखण्ड, आर.टी. ब्लॉक, ए.आई.एम.एस., अमन नगर  
 नई दिल्ली-110029/ New Delhi-110029



## Nexus Copy Number and Nexus Expression Software

BioDiscovery, Inc. is the sole manufacturer and distributor of Nexus Copy Number and Nexus Expression Software packages.

The following features are unique to Nexus Copy Number software package

- Proprietary Rank and FASST segmentation algorithms for making calls based on Log-R values.
- Proprietary SNPRank and SNP-FASST segmentation algorithms for making calls based on Log-R values as well as B-Allele freq.
- Unique Predictive Power statistical tool for identification of genomic loci correlated with a continuous value phenotype
- Efficient processing handling thousands of high-density arrays within a single project
- Multi-class profile visualization allowing a large number of samples with similar biological factors (e.g., Age group, cancer type, etc) to be visualized together in an intuitive and rapid fashion
- Pair-wise statistical testing to identify regions of significant difference in copy number change between groups of samples. For example, regions of chromosomal loss/gain that are statistically different in different cancer sub-types
- Statistical enrichment analysis identifying biological functions that are affected in a population by copy number change
- Unique unsupervised clustering on genomic profiles allows grouping of samples into distinct clusters based on the pattern of DNA copy number change
- Integrated statistical test for identification of significant common aberrations in a selected population using the published STAC algorithm
- Integration of gene and miRNA expression results with copy number data using set operation and Fisher's Exact test statistics
- Unique gene set based enrichment analysis
- Platform-independent allowing for processing of all commercial arrays and many home-spotted systems
- Efficient and robust segmentation algorithm applicable to a broad spectrum of arrays identifying even very small aberrations while being computationally efficient
- Intuitive user interface designed to be used by research scientist not bioinformatics experts. Only a single button is needed to go from a set of files to a frequency plot.

5155 Rosecrans Ave Suite #310, Hawthorne CA 90250  
Tel: (310) 414-8100 Fax: (310) 414-8111


डॉ० अशुतोष हल्देर / Dr. Ashutosh Halder  
www.biodiscovery.com Additional Professor  
प्रजनन वैज्ञानिक विभाग / Dept. of Reproductive Biology  
आभा-आर०, अंतरी नगर / A.I.I.M.S., Anseri Nagar  
नई दिल्ली-110029 / New Delhi-110029



- Biological questions, such as areas of significant difference between grade 3 and grade 1 tumor are formulated using a simple wizard and presented in an intuitive form
- Direct data transfer between Nexus Expression and Nexus Copy Number

The following features are unique to Nexus Expression software package

- A platform independent solution (support for all commercial platforms and custom arrays)
- Statistical computation of differentially regulated genes (with batch effect correction)
- Cluster samples and genes to discover expression patterns. Color code samples based on phenotypes
- Simultaneously compare expression profiles of multiple comparisons alongside gene annotations
- Identify and display significant genes in affected biological processes comparing between sample groups
- Find similarly regulated genes among a group of differentially regulated genes
- Generate Kaplan Meier plots to estimate survival of different populations
- Find Gene Ontology terms as well as other custom pathway terms that are significantly over-represented among a sub-group (e.g. downregulated genes in short vs. long term survivors)
- Perform integrated Gene Set Enrichment Analysis (GSEA) computation

  
\_\_\_\_\_  
Signature  
Soheil Shams, CEO

July 24, 2013  
Date

5155 Rosecrans Ave Suite #310, Hawthorne CA 90250  
Tel: (310) 414-8100 Fax: (310) 414-8111

डॉ. आशुतोष हलधर / Dr. Ashutosh Halder  
अपर-आचार्य / Additional Professor  
जनन प्रजनन विभाग / Dept. of Reproductive Biology  
एम.एस., आंसर / M.S., Ansa  
www.biodiscovery.com / Delhi-110029




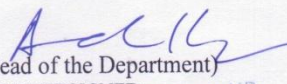
ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANSARI NAGAR, NEW DELHI-110029

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

1. Item/Type/Model No. required along with Specifications  
- **“Standard Edition 3-Year License for software”**
2. Is the item a spare part attachment or accessory for an existing equipment  
- **software for microarray.**
3. Name of the manufacturers/supplier of the item proposed by the indenter  
- **M/s. Bio- Discovery, 5155 W Rosecrans Ave., Suite 310 Hawthorne, CA 90250. Ph: 310-414-8100, Fax: 310-414-8111**
4. Are they sole manufacturers/sole distributors of the item  
- **Yes Manufactured by M/s. Bio- Discovery**
5. Is there any other item with similar/equivalent specification available in the market to meet the job requirement envisaged? If the answer is yes, why the same can't be procured. Demanding Officer should bring out comparative functional advantages/cost effectiveness of the recommended item from these offered by other  
- **Because of Proprietary item**
6. What were the efforts made to locate alternative source of supply or use other substitutes  
- **Because of Proprietary items**
7. Why open/limited tender can't be restored to, for locating alternative source.  
- **Because of Proprietary item**
8. Price is reasonable or not - **“Attached Price Reasonable Certificate”**
9. Any other justification for procuring item from single source  
- **Only because of Proprietary items**

I certify that the item at SN 1 above is required to be procured on single tender basis as the source of supply is definitely known/the specified brand proposed was advantageous in meeting our requirements and limited tender system could be dispensed with as they would serve no useful purpose this particular case

  
Signature of Indenter  
(Demanding Officer)  
Dr. Anand Kumar MD, Professor  
प्रजनन वैज्ञानिक विभाग/Deptt. of Reproductive Biology  
आर्यभट्ट-आर्यभट्ट, आर्यभट्ट नगर/A.I.I.M.S., Ansari Nagar  
नई दिल्ली-110029/New Delhi-110029

  
(Head of the Department)  
COUNTERSIGNED  
Prof. Anand Kumar MD  
Head of the Department of Reproductive Biology  
All India Institute of Medical Sciences  
New Delhi-110029, India





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## Invoice

Date	Invoice #
7/21/2013	13044

<b>Bill To</b>
All India Institute of Medical Sciences Genetic unit Old O.T Block, AIIMS New Delhi, Delhi 110029 India

<b>Ship To</b>
Send electronically to Ashutosh Halder: ashutoshhalder@gmail.com

P.O. Number	Terms	Ship
	Due on receipt	7/21/2013

Quantity	Item Code	Description	Price Each	Amount
	Wire Transfer	***** PAYMENTS MUST BE MADE VIA WIRE TRANSFER. WE DO NOT ACCEPT CHECKS AT THIS TIME. ***** Wire Transfer Information: Pay to: FC--Wells Fargo Bank, 420 Montgomery St., San Francisco, CA 94104 USA Routing & Transit #: WFW:121000248, Swift Code: WFBIUS6S For Credit of: BioDiscovery Inc, Final Credit Account #: 7833435816 Nexus Copy Number Standard Edition 3-Year License Node-Lock. Serial Number: BDINX1086 Dates: September 24, 2013 - September 24, 2016		0.00
	BDI8120-AS3	40% Academic Discount	21,735.00	21,735.00
	Academic	15% Multi-Year Discount	-40.00%	-8,694.00
	Special Discount	10% Special Discount	-1,956.15	-1,956.15
	Special Discount	**Special Discount applies only if payment is received before August 30, 2013, or before the expiration of this quote. **	-1,108.49	-1,108.49
		Out-of-state sale, exempt from sales tax	0.00%	9,976.36
				0.00

Quote #42513HA00929	Sohail Shams, Ph.D. President	<b>Total</b>	\$9,976.36
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*(Signature)*  
Dr. Pradeep K. Chaturvedi  
Sah-Aacharya / Professor  
प्रधान वैश्वविज्ञान विभाग / Dept. of Reproductive Biology  
अ.भ.आ.सं., अंजारी नगर / A.I.I.M.S., Anjari Nagar  
नई दिल्ली-110029 / New Delhi-110029

*(Signature)*  
Dr. Ashutosh Kumar MD  
Department of Reproductive Biology  
All India Institute of Medical Sciences









5155 W Rosecrans Ave., Suite 310  
 Hawthorne, CA 90250  
 Ph: 310-414-8100, Fax: 310-414-8111  
 Email: customerservice@bioDiscovery.com

SALES QUOTATION  
 \*\*\*ACADEMIC PRICING\*\*\*

Quantity	Product Code	Product Description BDI	Total Price
1.00	BDI8120-AS3	Nexus Copy Number Standard Edition 3-Year License Node-Lock. A complete genomics-platform independent solution for analysis, visualization and integration of DNA copy number data with support for aCGH and SNP arrays, as well as sequencing platforms. Nexus provides automated multi-sample data processing and visualization allowing discovery of minimum areas of common copy number aberrations, simple classification of events, the ability to query events over thousands of samples in both the local dataset and external reference data, and integration with public databases. Nexus allows for annotation of individual events and classification of samples, as well as exporting data for reporting. It includes access to Nexus DB repository and storage space. Also includes the Sequence Variants Module and Allele Specific Computation Module. ** Price reflects 40% Academic Discount Serial Number: BDINX1086 Dates: Sept. 24, 2013 - Sept. 24, 2016	USD 13,041.00
1.00	DISC	Discount 15% Multi-Year Discount	USD -1,956.15
1.00	DISC	Discount 10% Special Discount ** Special Discount applies only if payment is received before August 30, 2013, or before the expiration of this quote. **	USD -1,108.49
1.00	0000	BANK INFORMATION: Pay to: FC-Wells Fargo Bank, 420 Montgomery St., San Francisco, CA 94104 USA For Credit of: BioDiscovery Inc Routing & Transit #: WFW:121000248 Final Credit Account #: 7833435816 Swift Code: WFBUS6S	USD 0.00

\*\*\*ACADEMIC LICENSE PRICING \*\*\* Not for commercial use.

Total Price USD 9,976.36  
 Grand Total USD 9,976.36

Additional Terms and Conditions:

- Freight / Shipping NOT included - charges will be prepaid and ADDED to the invoice by BioDiscovery, Inc.
- When submitted by an authorized BioDiscovery Representative, this document represents a firm price quotation to sell the products described above, subject to the terms and conditions contained in this document.
- Once license is purchased, customers have up to 3 months to activate the license.
- Unless otherwise stated, all prices are quoted in US dollars.
- BioDiscovery reserves the right to reject any purchase order received after the "Expiration Date," on this price quotation.
- BioDiscovery extends payment terms of Net 30 days from the date of invoice to creditworthy customers.
- All software service and maintenance are in accordance with Paragraph 4 of the Terms and Conditions document.
- All checks should be made payable in US dollars to BioDiscovery, Inc.

Thank you for considering BioDiscovery, Inc.

Sohail Shams, PhD  
 President

Dr. Pradeep K. Chaturvedi  
 सह-आचार्य / Associate Professor  
 प्रजनन वैज्ञानिक विभाग / Dept. of Reproductive Biology  
 अ.भा.आ.सं., अंतर्राष्ट्रीय नगर/A.T.I.N.S., Anjari Nagar  
 नई दिल्ली-110029 / New Delhi-110029