The Canadian Bioinformatics Resource For Industry (CBRi) presents:

Microarray Analysis

ABOUT THE COURSE

This hands-on course will introduce students to the principles and practice of microarray analysis using a combination of lectures and hands-on computer lab sessions. Upon completion, the participants will have a working knowledge of computational methods, including clustering, correlation analysis, principal component analysis, neural networks and ***advanced microarray analysis***. Participants will be able to use readily available software tools to better facilitate their analysis or design of microarrays.

WHO CAN BENEFIT?

- Biotechnology professionals and managers seeking an applied introduction to the principles and practice of microarray analysis
- Researchers interested in expanding their work into the area of microarray technologies and microarray alternatives
- Research technologists, research assistants and graduate students wishing to apply basic computational tools to enhance their research and laboratory expertise
- Computer professionals wishing to expand their skills and experience into the field of microarray technologies and microarray alternatives

COURSE CONTENT

When you have completed this course you will have learned a wide variety of topics and subjects including:

- Gene Sequencing and Gene Identification
- Methods for Measuring Gene Expression
- Designing/Finding Microarray Oligos
- MIAME and Microarray LIMS
- Microarray Databases and Freeware or Web Tools
- Advanced Microarray Analysis **NEW**
- Microarray Strengths and Limitations
- Microarray Math and Stats
- 2-Colour (Glass Slide) Microarray analysis
- Affymetrix Gene Chip Analysis
- GeneSpring and GenePublisher

ABOUT THE INSTRUCTOR

Dr. Wishart is a Professor of Computing Science at the University of Alberta. He currently holds the Bristol-Myers Squibb Chair in Protein Chemistry and in 2003 was cross-appointed as research scientist with the NRC's National Institute for Nanotechnology (NINT). He is co-founder of BioTools Inc. (a Bioinformatics company) and Chenomx Inc. (a Metabonomics company). Dr. Wishart is also a co-founder of the Canadian Bioinformatics Workshops – a national Bioinformatics training program that has been in operation since 1999.

WHEN:	**WHERE:**	**COST:**
JULY 7-8, 2005 **9:00AM – 6:00 PM**	**BURNABY, B.C.** **CBRI FACILITY AT BCIT-BURNABY CAMPUS**	**$695.00 (PLUS GST)** **EARLY BIRD $595.00 (PLUS GST)** **EARLY BIRD DEADLINE: JUNE 27, 2005** **STUDENT $495.00 (PLUS GST)** ***LIMITED SEATS AVAILABLE – REGISTER EARLY!**

REGISTRATION:

PLEASE FILL IN THE REVERSE SIDE OF THIS PAMPHLET AND FAX IT TO (613) 254-9881 OR VISIT www.vitesse.ca to register online.

BCIT

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REGISTRATION FORM- Microarray Analysis

Please include a separate application form and fee for each individual.

Fax: (613) 254-9881

WORKSHOP FEE *includes course material

✔	Fees	Cost
	Regular	**$695.00 (plus GST)**
	Early Bird ** early bird ends June 27, 2005*	**$595.00 (plus GST)**
	Student	**$495.00 (plus GST)**
	TOTAL:	

PAYMENT INFORMATION

☐ Cheque (made payable to: Vitesse Re-Skilling™ Canada Inc.)

☐ Visa ☐ MasterCard ☐ American Express

Credit Cardholder's Name (please print): _____

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Affiliation			Position		
Address (Street, Apt./Suite/Rm./City/Province/Postal Code)					
Telephone (Work)		Telephone (Home)		Fax	
E-mail Address				Website	

To better gauge the experience of registrants in order to ensure the course suits your background, please attach a brief summary that describes your bioinformatics experience and level and areas of interest.

For more information visit www.vitesse.ca