The Canadian Bioinformatics Resource For Industry (CBRi) presents:

Bioinformatics: Tools in Drug Discovery

ABOUT THE COURSE

This hands-on course will introduce participants to the principles and practices of bioinformatics in drug discovery using a combination of lectures and hands-on computer lab sessions. Upon completion, the participants will have a working knowledge of the methods, tools and databases for drug discovery including, referential databases, structure rendering and modeling software, finding drug leads through metabolites and pathways, small molecule searching and comparison, and predicting drug interactions and toxicities. Participants will also be instructed on how to use docking software and identifying drug target candidates.

WHO CAN BENEFIT?

- Biotechnology professionals and managers seeking an applied introduction to the area of bioinformatics
- Researchers interested in expanding their work into the area of drug discovery
- Research technologists, research assistants and graduate students wishing to apply basic bioinformatics tools to enhance their research and laboratory expertise
- Computer professionals wishing to expand their skills and experience into the growing field of drug discovery

COURSE CONTENT

Upon completion of this course you will have learned a wide variety of topics and subjects including:

- Bioinformatics and drug discovery
- Gene prediction for identifying novel targets
- Genome and proteome annotation
- Pathways, metabolism & metabolic databases
- Drug target ID methods and databases
- Rational drug design
- Protein structure and the PDB
- Small molecule structures and cheminformatics
- Docking and docking software
- Identifying drug target leads for the viral pathogens

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:**
DECEMBER 9-10, 2004 **9:00AM – 5:00 PM**	**BURNABY, B.C.** **CBRI FACILITY AT BCIT-BURNABY CAMPUS** **GAIT BLDG NE25, 3RD FLR, RM 304**	**$695.00 (PLUS GST)** **EARLY BIRD $595.00 (PLUS GST)** **EARLY BIRD DEADLINE: NOV. 29TH, 2004** **STUDENT $495.00 (PLUS GST)** ***LIMITED SEATS AVAILABLE – REGISTER EARLY!**

REGISTRATION:

PLEASE FILL IN THE REVERSE SIDE AND FAX IT TO (613) 746-6653 OR VISIT www.vitesse.ca to register online.

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REGISTRATION FORM

Bioinformatics Tools in Drug Discovery

Please include a separate application form and fee for each individual and fax to:

(613) 746-6653

WORKSHOP FEE *includes course material

✔	Fees	Cost
	Regular	**$695.00 (plus GST)**
	Early Bird ** Early bird ends November 29th, 2004*	**$595.00 (plus GST)**
	Student	**$495.00 (plus GST)**
	TOTAL:	

PAYMENT INFORMATION

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

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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