The Canadian Bioinformatics Resource For Industry (CBRi) presents:

Cheminformatics Workshop

ABOUT THE WORKSHOP

This hands-on workshop will introduce participants to the principles and practices of cheminformatics in drug discovery. The workshop uses a combination of lectures and hands-on computer lab sessions, and participants will be able to choose from four structured problems (i.e. ADME assessment of small molecules, pharmacophore analysis, docking and virtual screening, and library design). Participants are encouraged to bring problems of their own to begin exploring with the available software. Upon completion of the workshop, participants will be able to apply information technology for investigating new problems and also for organizing scientific data in order to develop novel compounds, materials, and processes.

WHO CAN BENEFIT?

- Chemical, Biochemical and Biology professionals and managers seeking an applied introduction to the area of cheminformatics
- Researchers interested in expanding their work into the area of drug discovery
- Research technologists, research assistants and graduate students wishing to apply basic cheminformatics 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:

- Cheminformatics and drug discovery
- Data handling and integration
- Integrating biological and chemical data
- Ligand based design
- Pharmacophore analysis
- ADME assessment of small molecules
- Receptor based design
- Docking and virtual screening

ABOUT THE INSTRUCTOR

Dr. Oreola Donini is an expert Chemist, and is currently Director of Chemistry at Inimex Pharmaceuticals Inc. She plays a key role in managing lead optimization activities for Inimex' drug development programs, and is responsible for all chemistry and informatics activities within the company. Dr. Donini's experience in molecular modeling and cheminformatics includes: modeling of voltage gated ion channels, QM/MM calculations of the reaction mechanisms of citrate synthase, investigation of matrix metalloproteinase inhibitors, pharmacphore modeling, design of novel libraries for high throughput screening, quantitative structure-activity (property) relationships, and receptor driven design of novel compounds for kinase inhibition.

WHEN:	**WHERE:**	**COST:**
JUNE 2-3, 2005 **9:00AM – 5:00 PM**	**BURNABY, B.C.** **CBRI FACILITY AT BCIT-BURNABY CAMPUS** **GAIT BLDG NE25, 3RD FLR, RM 304**	**EARLY BIRD $595.00 (PLUS GST)** **EARLY BIRD DEADLINE: MAY. 16TH, 2005** **REGULAR $695.00 (PLUS GST)** **STUDENT $495.00 (PLUS GST)** ***LIMITED SEATS AVAILABLE – REGISTER EARLY!**

REGISTRATION:

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

BCIT

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REGISTRATION FORM
Cheminformatics Workshop

Please include a separate application form and fee for each individual and fax to:
(613) 254-9881

WORKSHOP FEE *includes course material

✔	Fees	Cost
	Regular	**$695.00 (plus GST)**
	Early Bird ** Early bird ends May 16th, 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): _____

Credit Card Number: _____ Expiry date: _____

Signature: _____

PERSONAL INFORMATION

Title:	☐ Mr.	☐ Mrs.	☐ Ms.	☐ Miss	Other _____
Last Name			First Name		Middle Initial
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 cheminformatics experience, level and areas of interest.

For more information visit www.vitesse.ca