"Advanced HPLC Method Development"

November 18th & 19th, 2004 …

And now the class you've all been waiting for…

Announcing the MCF's workshop in Advanced HPLC! The purpose of this workshop is to provide training and insight into advanced applications and method development for HPLC, along with their application to practical industry and laboratory problems. The course will include classroom instruction along with the use of DryLab software for HPLC modeling. There will also be a question and answer session for problems encountered by the students in the class.

Please note that registration is limited to 30 students! So register early!!!

Program: *Sessions will begin at ~8:00 AM and end at approximately 5:00 PM on Thursday (3:30 on Friday). Lunch will be provided each day along with morning and afternoon breaks. Parking is available nearby (pay lot).*

Instructor: John Dolan of LC Resources
Date/Time: November 18th & 19th, 2004; 8:00 am - 5:00 pm

Location: University of Minnesota, St. Paul Campus
Earle Brown Continuing Education Center
1890 Buford Avenue, Room 32

Day 1		***Day 2***	
Lecture	Introduction to HPLC Method Development	Lecture	Ion-pair HPLC
Lecture	Review of separation basics	***Workshop*	*Ion-pair chromatography*
***Workshop*	*Varying %B and column conditions*	Lecture	Gradient elution
Lecture	New column developments	***Workshop*	*Gradient elution*
Lecture	Reversed-phase HPLC for neutral compounds	Lecture	Experimental aspects of gradient elution
***Workshop*	*Effects of solvent type on separation; mixing solvents*	Lecture	Special samples and the use of other HPLC methods
Lecture 5	Reversed-phase HPLC for ionic compounds	Lecture	Other topics: improving precision, method validation, system suitability
***Workshop*		***Discussion*	

For class information, contact Jan Jopke, at (952) 949-2518. For course content information e-mail John Dolan at John.Dolan@Bioanalytical.com**.** To register for the course, complete the form below and send it with a check for $650, payable to the Minnesota Chromatography Forum.

Mail to:
Minnesota Chromatography Forum
c/o CCS Associates
6611 Countryside Drive
Eden Prairie, MN 55346

or FAX to: (952) 934-6741

Name, Title: _____
Institution or company: _____
Street Address: _____
City, State, Zip Code: _____
Telephone/FAX: _____
e-mail Address: _____
Credit Card: _____exp_____
Vegetarian lunch? Yes _____ No _____

Cancellation Policy: Refunds (minus a 10% administration fee) will be issued for cancellations prior to the registration deadline. Refunds for cancellations made after the deadline will be made only if the spot is filled with another student.

***Note:** If confirmation is not received within 5 business days, contact Jan at (952) 949-2518.

Deadline for Registration: November 4, 2004

Meet the Instructor...

Dr. John Dolan is the vice-president and general manager of BASi Northwest Laboratory. John received his Ph.D. from the University of California at Davis in 1976 and has more than 30 years of HPLC experience. After finishing graduate school, he did postdoctoral work at Northeastern University and then joined Technicon Instruments Corporation, where he worked for three years developing clinical HPLC technology. He moved to IBM Instruments, where he was involved in design and support of LC, IR, and UV products. As a columnist for LC/GC magazine, he has written over 200 installments of the "LC Troubleshooting" monthly column since 1983. In 1984, John and Lloyd Snyder founded LC Resources, which offered support to the separations community via teaching, software, consulting, and laboratory services. In 2002, LC Resources was sold to Rheodyne (training and software) and Bioanalytical Systems (laboratory). He continues to teach LC training courses for LC Resources Training Group and manage the laboratory at BASi Northwest. He has written more than 90 scientific papers on LC theory, instrumentation, and applications as well as a book on troubleshooting LC instruments and methods. John is the 2002 recipient of the MCF Palmer Award.

6611 Countryside Drive
Eden Prairie, MN
55346

Advanced HPLC Course !!!

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**Workshop	Varying %B and column conditions
Lecture	New column developments
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***Workshop*	

	Day 2
Lecture	Ion-pair HPLC
**Workshop	Ion-pair chromatography
Lecture	Gradient elution
**Workshop	Gradient elution
Lecture	Experimental aspects of gradient elution
Lecture	Special samples and the use of other HPLC methods
Lecture	Other topics: improving precision, method validation, system suitability
**Discussion Session	