

“Troubleshooting HPLC Systems”

Instructor: John W. Dolan, Ph.D.

This popular 1-1/2 day course returns to MCF to help build the HPLC troubleshooting skills of the participants. The first day is spent in the classroom, reviewing all aspects of HPLC equipment operation and maintenance. Time is spent to help improve the understanding of the separation process and many practical examples are used to help attendees develop skills to identify and correct problems with chromatographic separations. Each participant will receive a workbook containing all the slides and notes presented in the course. Ample time is available for discussion of specific problems that users bring to the class. The morning of the second day is spent in a round robin workshop with several equipment vendors. Each vendor will present a troubleshooting tool or technique to a small group of students to help reinforce material covered in the classroom session.

Students with a working knowledge of HPLC with some hands-on experience will benefit most from this course.

Instructor information:

Dr. John Dolan is a consultant and instructor for LC Resources, a company dedicated to HPLC-related training. John received his Ph.D. from the University of California at Davis in 1976 and has more than 35 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 250 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 sold their DryLab software division (now owned by Molnar Institute, Berlin) and their laboratory services business (to Bioanalytical Systems), which he continued to manage through 2005. He has written more than 100 scientific papers on LC theory, instrumentation, and applications as well as a book on troubleshooting LC instruments and methods and one on gradient elution. John is the 2002 recipient of the MCF Palmer Award and is the 2007 recipient of the Dal Nogare Award.