



LCGC  
north america

# Lifetime Achievement in Chromatography

Nomination for LCGC's 2011 Lifetime Achievement Award

Candidate: James W. Jorgenson

Dr. James W. Jorgenson is the William Rand Kenan, Jr. Distinguished Professor in the Department of Chemistry at the University of North Carolina. Dr. Jorgenson is a graduate of Northern Illinois University and Indiana University, and has been on the faculty at the University of North Carolina since 1979. He has received numerous awards and recognitions, and has served on the editorial boards of seven different journals, including *Analytical Chemistry*, *Journal of Chromatography*, *Journal of Microcolumn Separations* and *Journal of Separation Science*.

His research concerns harnessing the power of techniques such as capillary electrophoresis (CE), capillary liquid chromatography (LC) and mass spectroscopy (MS) to solve problems in complex mixture analysis. He is currently pursuing techniques of great peak capacity, such as combined liquid chromatography-capillary electrophoresis (LC-CE), as well as techniques with extreme resolving power, such as flow counterbalanced capillary electrophoresis (FCCE). His work on the use of ultra-high pressures in liquid chromatography, first published in 1999, is widely regarded as critical to the success of what is now known as UPLC.

Over the course of his career he has won numerous awards, including:

- Martin Medal of the Chromatographic Society
- Golay Medal of the International Organization for the Promotion of Microcolumn Separations
- Torben Bergman Medal of the Swedish Chemical Society
- Analytical Section, Lifetime Achievement Award
- International Symposium on Hyphenated Techniques in Chromatography
- American Chemical Society Award in Analytical Chemistry
- Ralph N. Adams Award in Bioanalytical Chemistry

Dr. Jorgenson has authored or coauthored more than 100 journal articles and he now holds six patents for techniques ranging from Coaxial Flow Post Capillary Mixing to Two-Dimensional High-Performance Liquid Chromatography/Capillary Electrophoresis and Two-Dimensional Separation Systems.