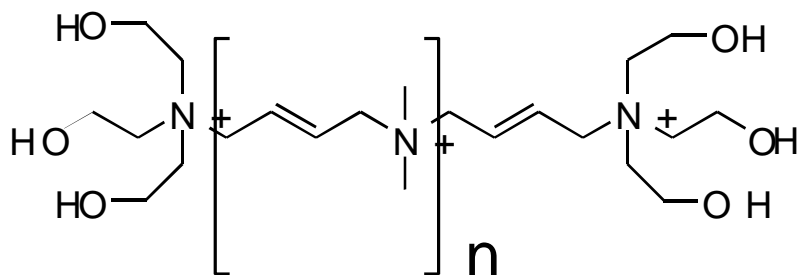


UCA Department of Chemistry Seminar

January 27, 2012 2 pm Laney Hall Rm 102

Joe Bocclair

Alcon, Ft. Worth, TX



Alcon

Adapting New Technologies to Mature Test Methods – What To Do When You Make Things Better?

Today's analytical chemist is continually met with ever more sensitive and/or sophisticated instrumental technology. When existing methodology can be superseded by new technology, careful consideration must be paid to maintaining the consistency of the database while incorporating the increased level of knowledge possible from the more advanced instrumentation or technology. In this case, a new charged aerosol detection (CAD) HPLC method was developed to assay for a charged, polymeric preservative in ophthalmic formulations. This new, more sensitive methodology yielded additional information about the analyte and had to be fine-tuned to provide a response consistent with the historical data. Details of the development and refinement of this new method will be presented to illustrate the general concerns when adapting new technologies to existing analyses.

Lunch provided for students with the seminar speaker from 12 – 1 pm in Rm 105.
Contact P. Desrochers (patrickd@uca.edu) for more information.