

Short Course in Biochromatography

Andrew Lees, Ph.D.

Scientific Director

Fina BioSolutions LLC

This one-day course will introduce the student to various types of chromatography and their applications to protein purification. The principles of each chromatography mode will be presented, and relevant applications will be described. This will be followed by an introduction to the art of protein purification in which the development of purification schemes is presented and illustrated with examples.

Topics

Overview of chromatography

Modes of chromatography

- Size exclusion
- Ion exchange
- Hydrophobic interaction
- Affinity and affinity tags
- Mixed mode

Developing purification protocols

Dr. Lees is currently the Scientific Director of Fina Biosolutions LLC. He is an adjunct faculty member at the Uniformed Services University of the Health Sciences where he has taught this class for ten years. Dr. Lees is also a semi-professional magician, which occasionally helps in the laboratory.



Contact: Andrew Lees (ALees@FinaBio.com)