

**Abstract:**

**Screening for Chromatographic Success and Failure on Small Scale**

*William Gillette, Ph.D., Senior Scientist, Protein Purification Group Leader, Protein Expression Laboratory, Advanced Technology Program, NCI/SAIC-Frederick*

For proteomic and core service laboratories charged with purifying numerous proteins, a method to quickly screen the outcomes of different chromatographic approaches for multiple proteins in small-scale would be extremely useful in terms of reducing costs, increasing throughput and, more importantly, improving the success rate. Such a method must have the flexibility to interrogate multiple parameters, while also providing enough material for downstream analysis. We have approached this problem by maximizing the usefulness of samples which are generated by the expression screening groups of our lab and minimizing the amount of sample required for the purification screen.

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