**Step 1: MethylScan® Analysis**

1. Experimental objectives and design consultation with scientists from Cell Signaling Technology (CST).
2. Determine samples and experimental parameters for study.
3. Methylated peptide immuno-affinity purification (IAP) with mono-methyl arginine antibody.
4. Tandem mass spectrometry (LC-MS/MS) analysis of enriched mono-methylated peptides for qualitative sequence and site identification.
5. Quantitative analysis of methylated peptide fold-change between study samples.

**Step 2: MethylScan® Report and Consultation**

1. MethylScan® report with qualitative and quantitative results.
2. Report contains sequence assignments in table format and detailed explanation of table contents and guidelines for data review.
3. Detailed discussion and review of report with CST scientists.
4. MethylScan® timeline: approximately 5 weeks; preliminary results delivery in 2–3 weeks; timeline will vary with project size.