

**Carter Research Update AP-ECD**  
May 2011

**CNPN & ASMS posters**

**Where we were in April:**

We advanced in three areas in April

**Chrom:** good separation, 30 sec peaks of BSA peptides, low background

**AP-ECD:** replicates of AP-ECD analysis of BSA and substance P with expected peaks

**Sensitivity:** 50 fmol is strong, possible attomole sensitivity

**What we've done in May:**

- Presented data to the CNPN/ ETP of AP-ECD working at low femtomole levels on substance P, working on BSA peptides.
- We've collected higher quality data for ASMS posters. We also addressed one question from the CNPN about reproducibility over time showing 5 consecutive injections over 12 hrs.

**Where we're going in June:**

The plan is for Damon to hand over the drivers keys of the instrument to me. I expect it will take some time learning the details of AP-ECD but we hope to move on to real samples soon.

There are a number of possible collaborations possible but that those may not happen till July.