

Homework Assignment (due 1/22 before class)

Install UltraScan on your personal computer:

Step 1: Download the software from:

<https://www.ultrascan3.aucsolutions.com/download.php>

Step 2: Register the software

Step 3: Download the CSV files and load them into the fitter

Step 4: Prepare an intrinsic spectral profile for protein and DNA from a global fit of the available dilutions, normalized to an OD of 1 at 280 nm and 260 nm, respectively

Step 5: fit the mixtures and report the fractions of protein and DNA, also report the wavelength range that was fitted in the deconvolution, and the angle between the protein and DNA spectra you fitted.