



Supplemental Figure 1: Synthesis of Cy5-labeled leptin (A) RP-HPLC of Cy5-labeled leptin (Cy5-Lep) indicating $\geq 98\%$ purity. **(B)** SDS-PAGE of Cy5-Lep (lanes 1 and 2) showing a 15–20 kDa product mass. **(C)** Electronic absorption spectrum of Cy5_lep with observed maxima at 651 nm. **(D)** Excitation and emission spectra of Cy5-Lep at 651 nm and 669 nm, respectively.