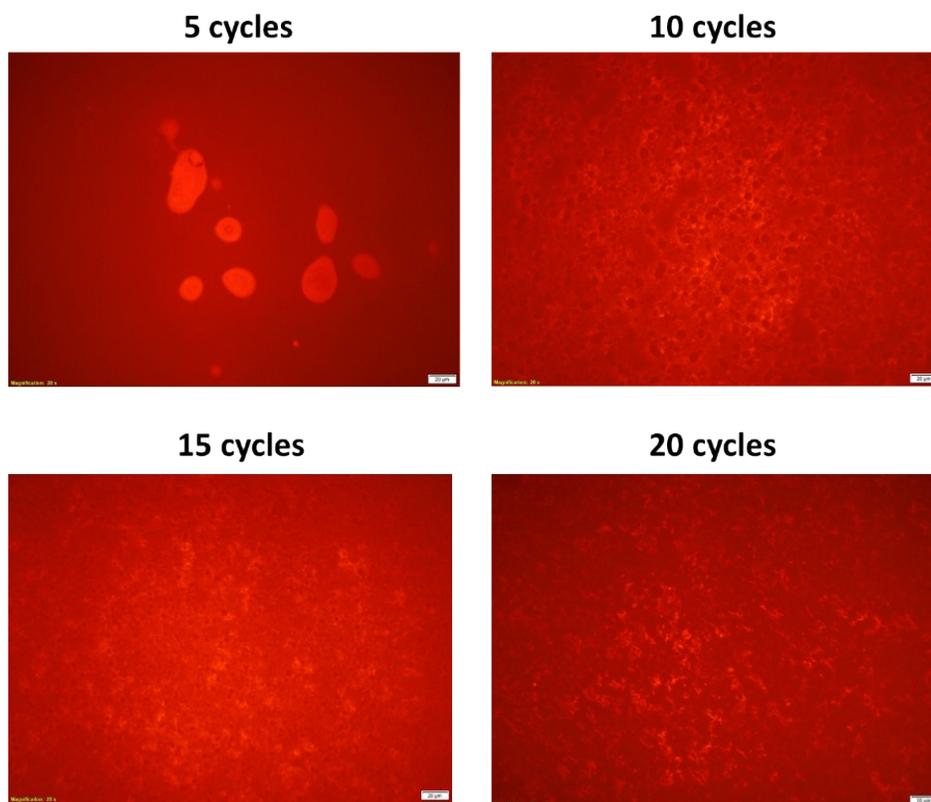


## Rhodamine functionalized conducting polymer for dual intention electrochemical sensing and fluorescence imaging of cells

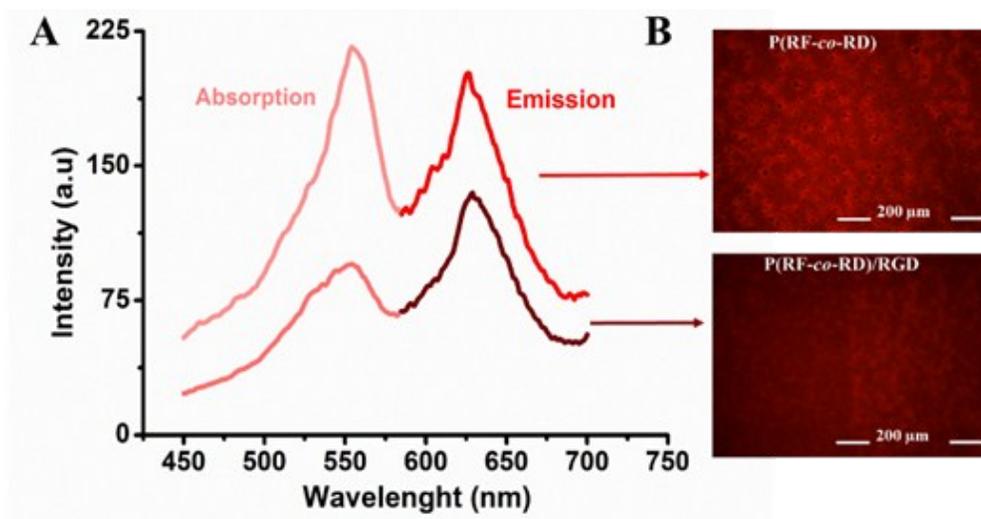
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<sup>a</sup>Faculty of Science Biochemistry Department Ege University,35100 Bornova, Izmir, Turkey

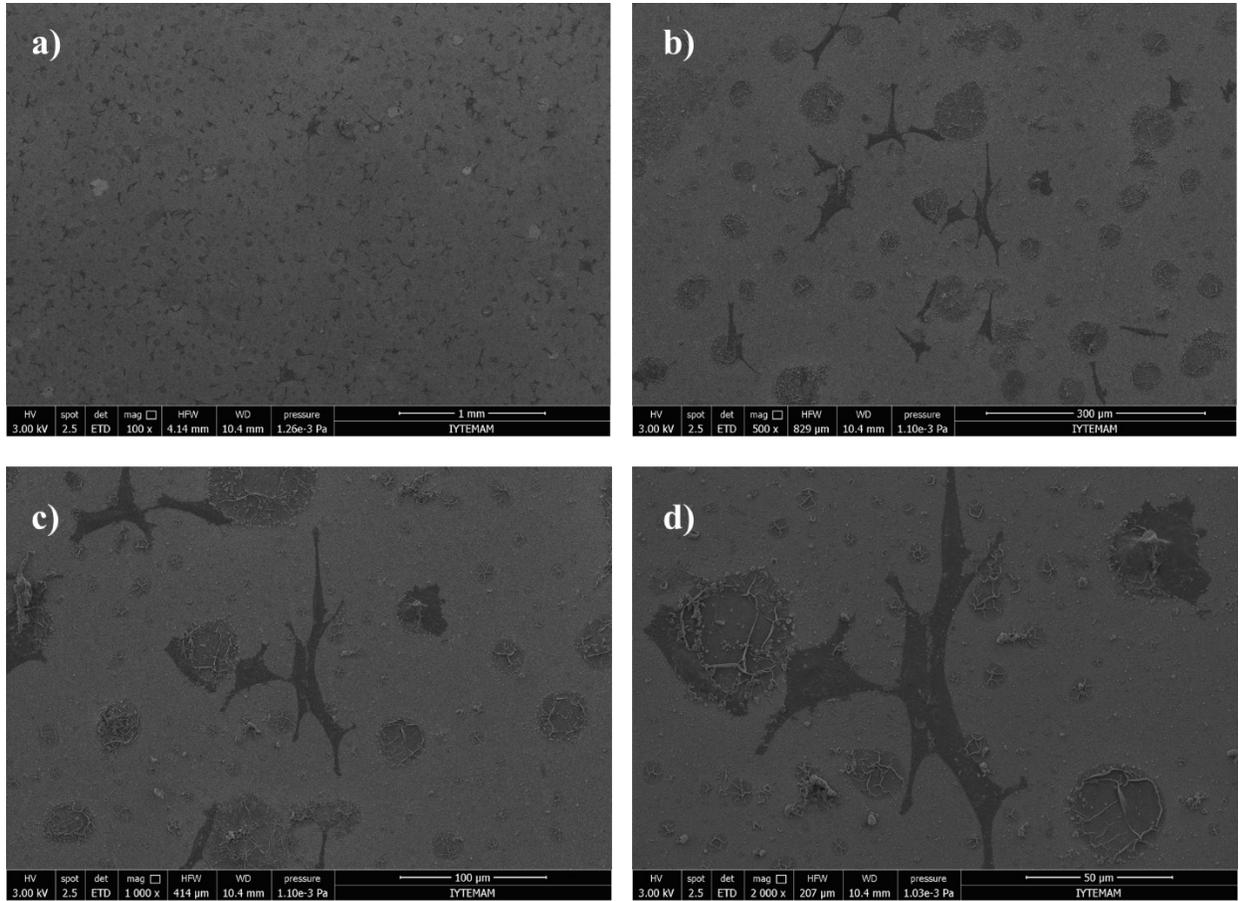
<sup>b</sup>Faculty of Art and Science, Chemistry Department Pamukkale University,20017 Denizli, Turkey



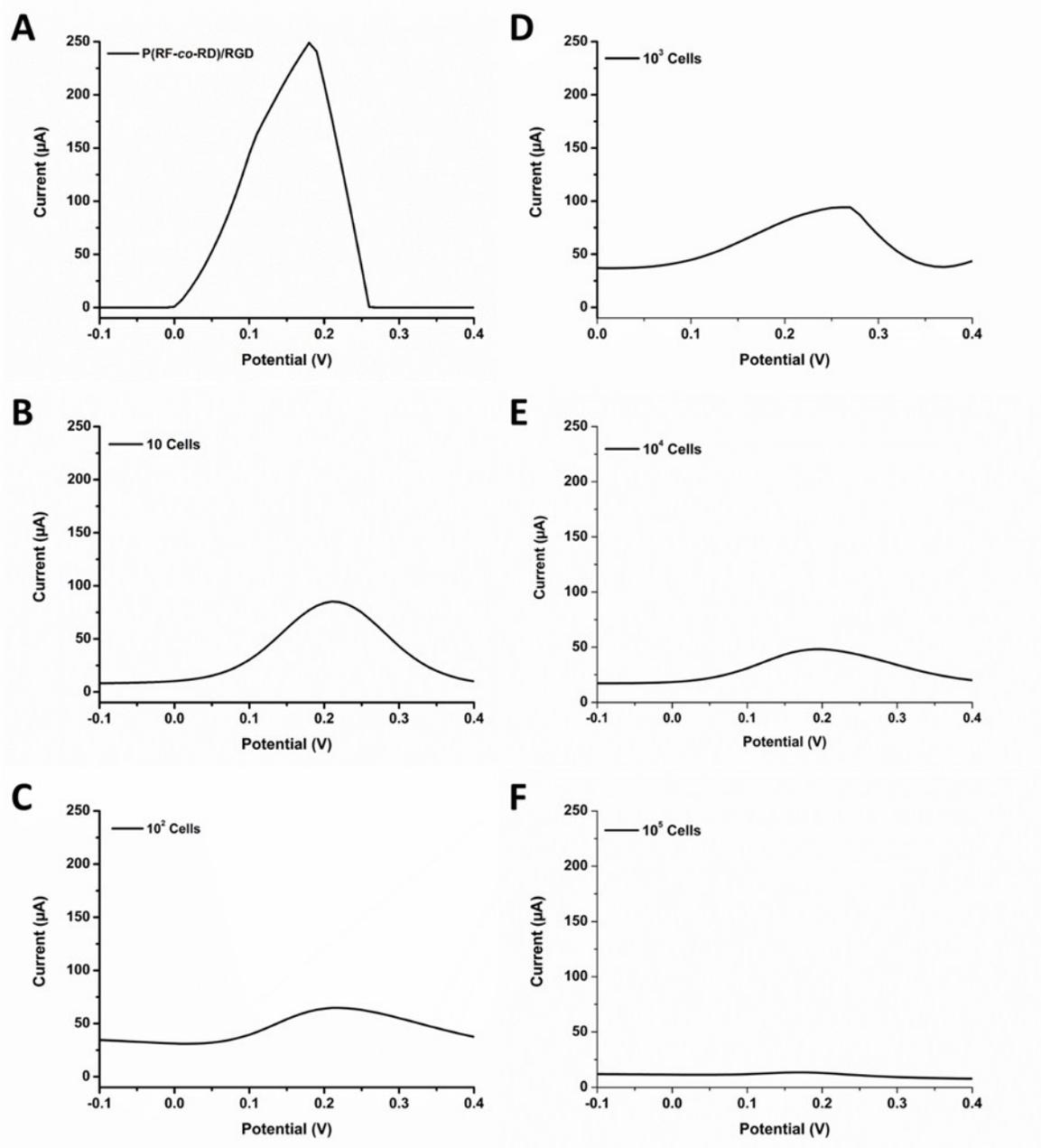
**Figure S1.** Fluorescence microscope images of co-polymer modified surfaces after electropolymerization in different scan numbers.



**Fig. S2.** A) Absorption and emission spectrum of P(RF-co-RD) polymer and P(RF-co-RD)/RGD in PBS pH 7.4. B) Fluorescent microscope images of P(RF-co-RD) and P(RF-co-RD)/RGD, respectively under same exposure. Scale bar: 200  $\mu\text{m}$ .

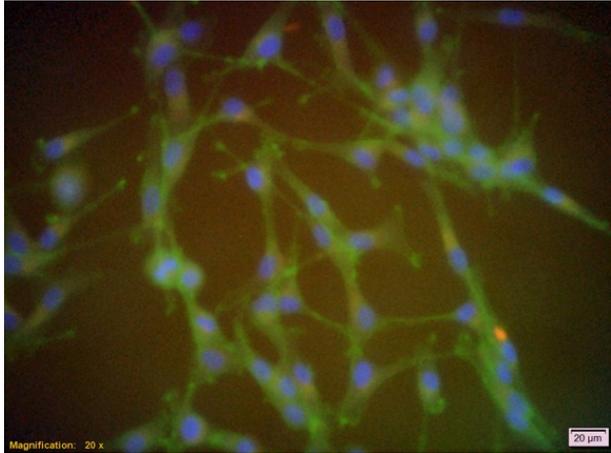


**Fig. S3.** SEM images of P(RF-co-RD)/RGD/U87-MG with different magnification.

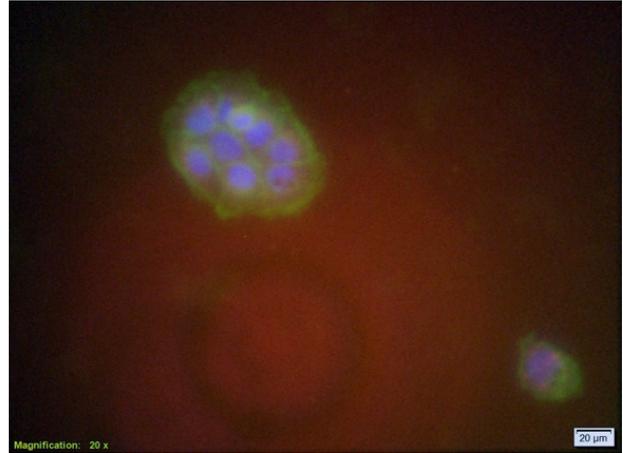


**Fig. S4.** DPV signals after adhesion of U87-MG cells on the P(RF-co-RD)/RGD surfaces.

**U87-MG**



**HaCaT**



**Fig. S5.** Proliferation behaviors of U87-MG and HaCaT cell lines after 72h incubated on ITO/P(RD-co-CZ)/RGD surfaces. Actin (green) and Nucleus (blue) staining were performed. Scale bar: 20  $\mu\text{m}$ .