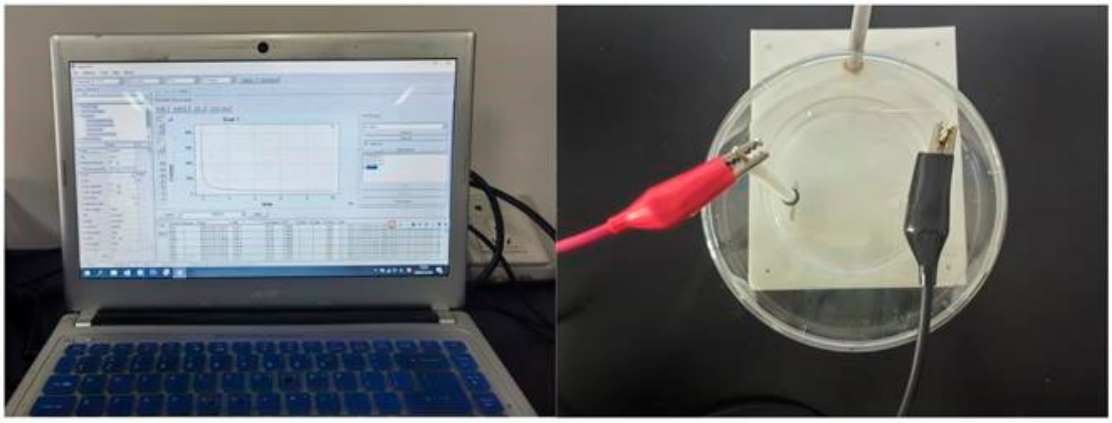

Figure S1. Electric stimulation device.

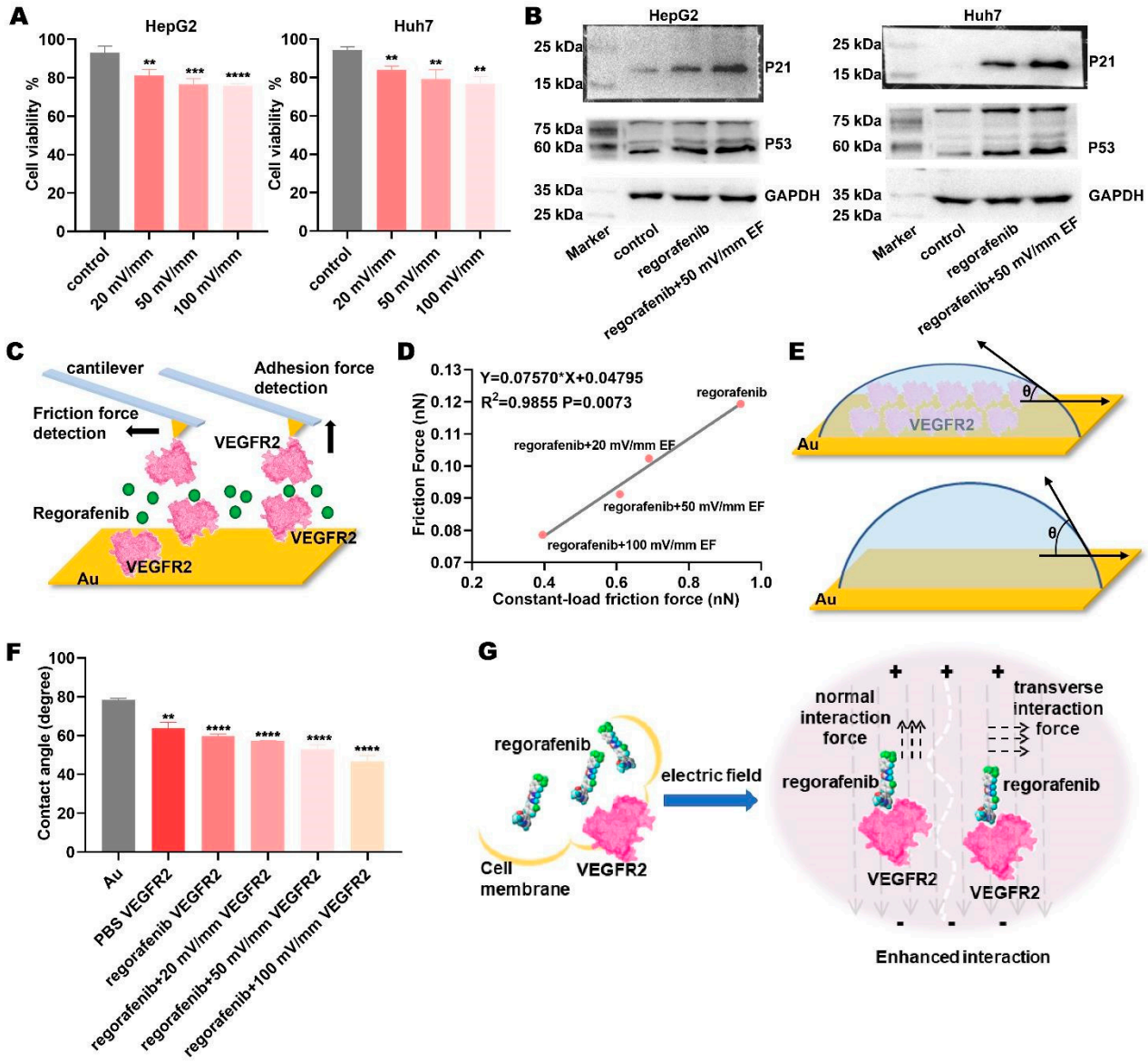

Figure S2. (**A**) Cell viability of Huh7 cells and HepG2 cells under electric fields for 24h. (**B**) Western blot original images of Figure 1G. (**C**) Schematic diagram of AFM force detection. (**D**) The correlation between the constant load friction force of VEGFR2-VEGFR2 and the friction force of VEGFR2-VEGFR2 after treatment with regorafenib alone or in combination with electric fields. (**E**) Schematic diagram of the contact angle. (**F**) The contact angle of Au, VEGFR2 molecular layers in PBS solution, VEGFR2 molecular layers in regorafenib solution alone and in regorafenib solution combining with electric fields. (**G**) Schematic diagram of enhanced normal and transverse interaction between regorafenib and VEGFR2 under electric field.