

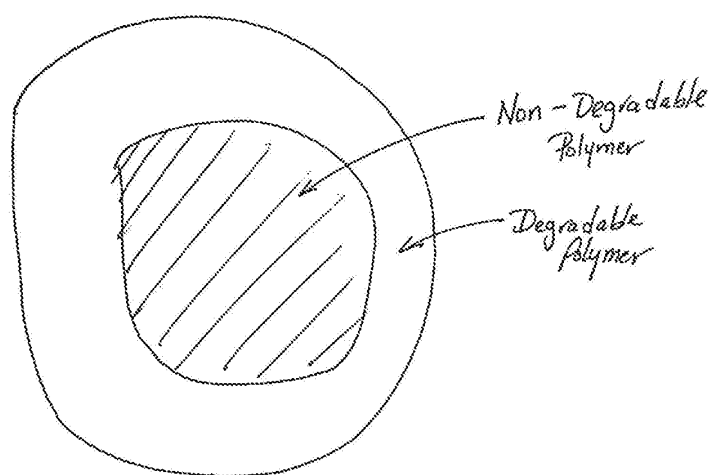


FIG. 1

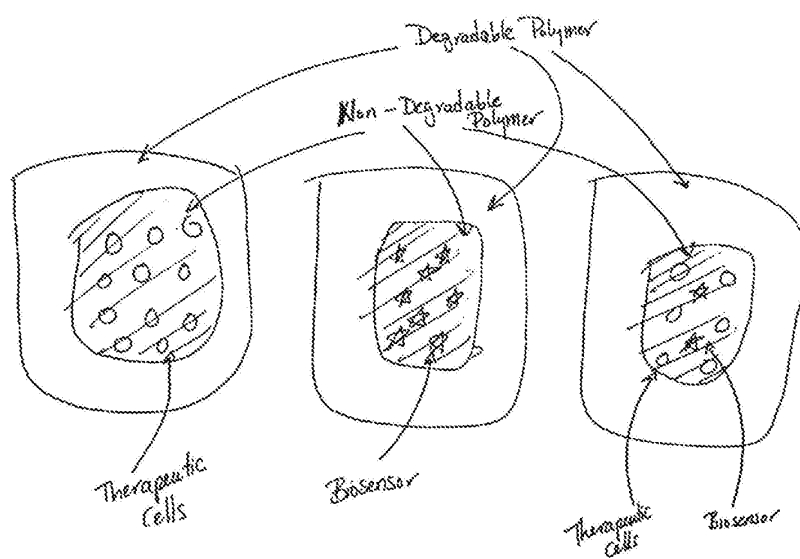


FIG. 2

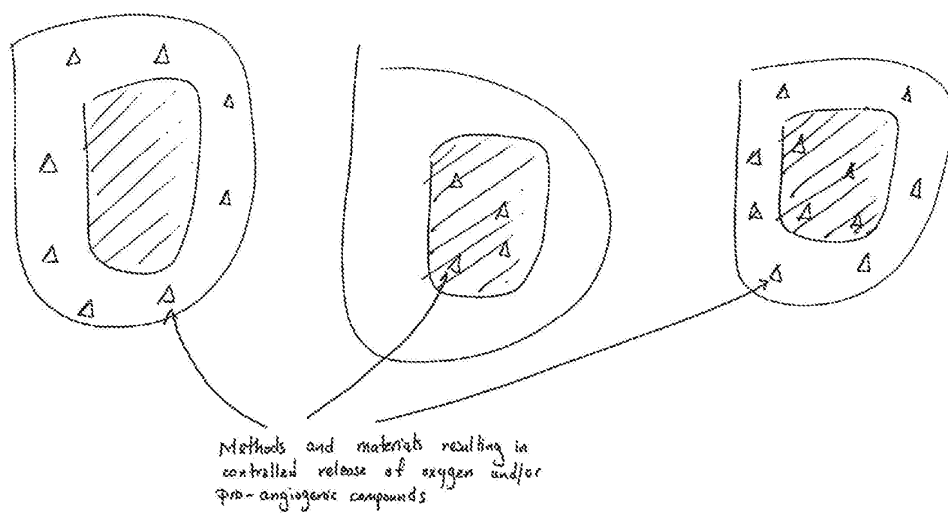
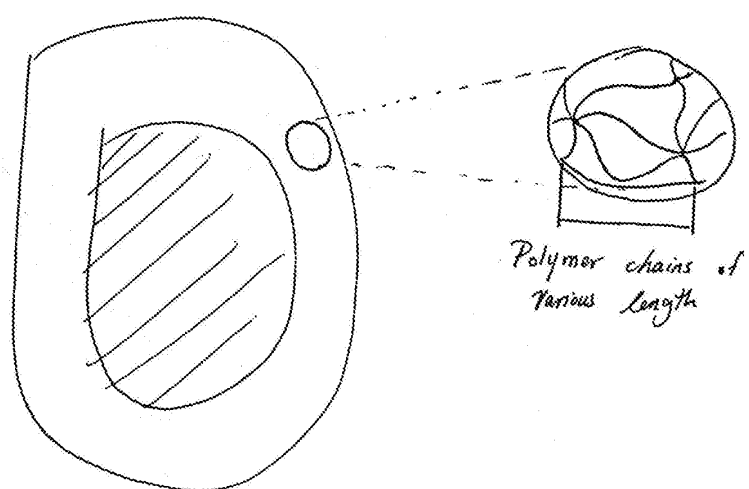


FIG. 3

**FIG. 4**

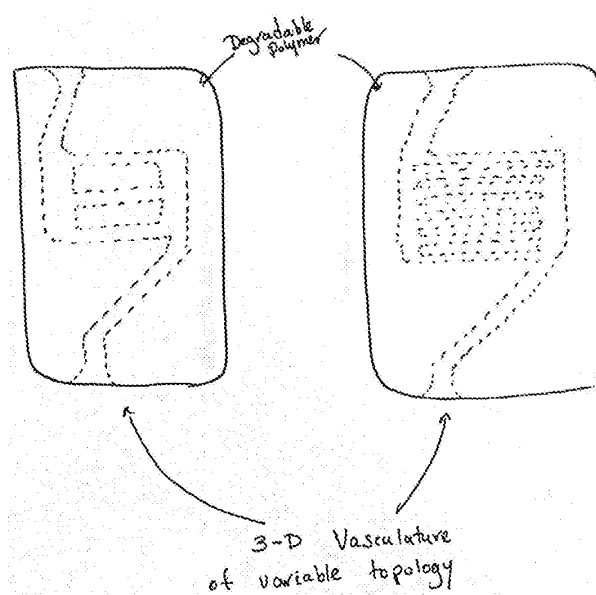


FIG. 5

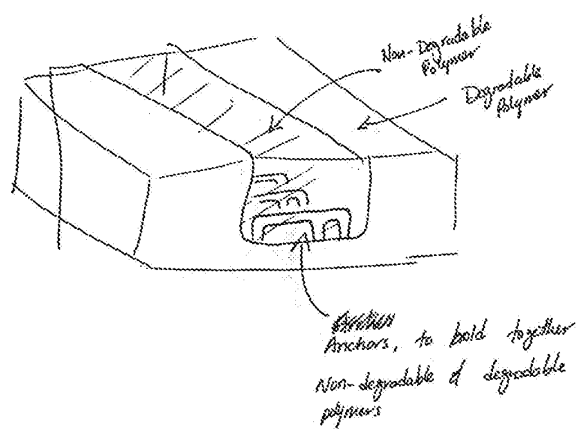


FIG. 6

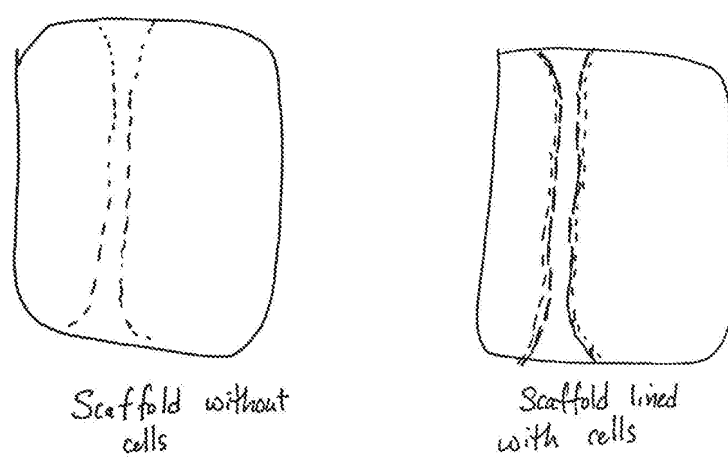


FIG. 7

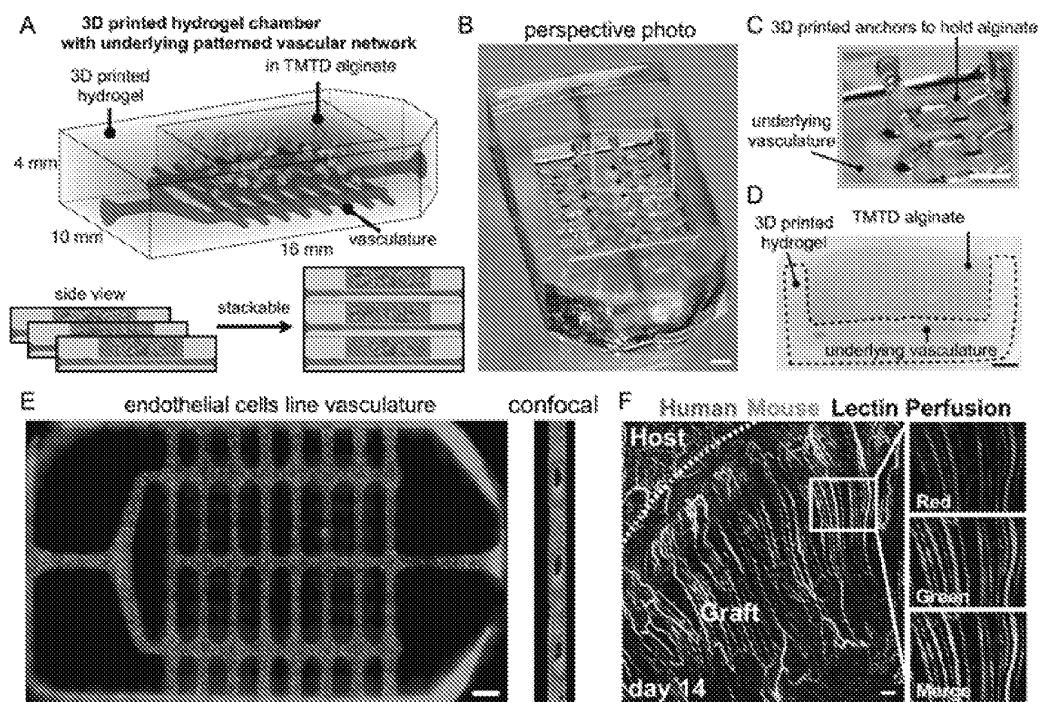


FIG. 8

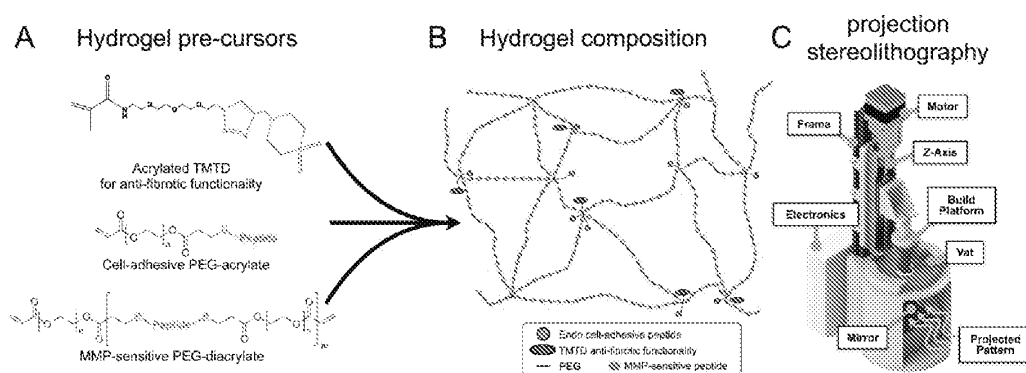


FIG. 9

islets in TMTD alginate in chambered gel,
with hollow vessels

islets in TMTD alginate in chambered gel,
with endothelialized vessels

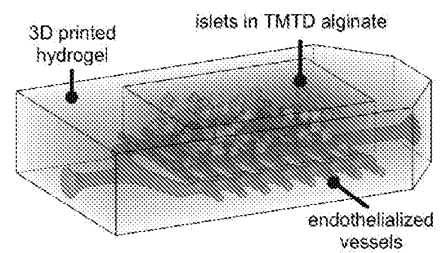
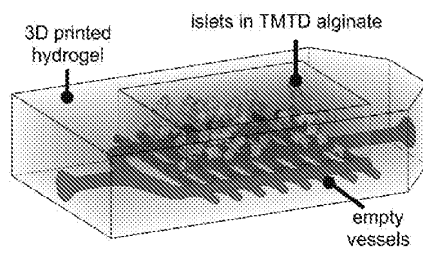


FIG. 10

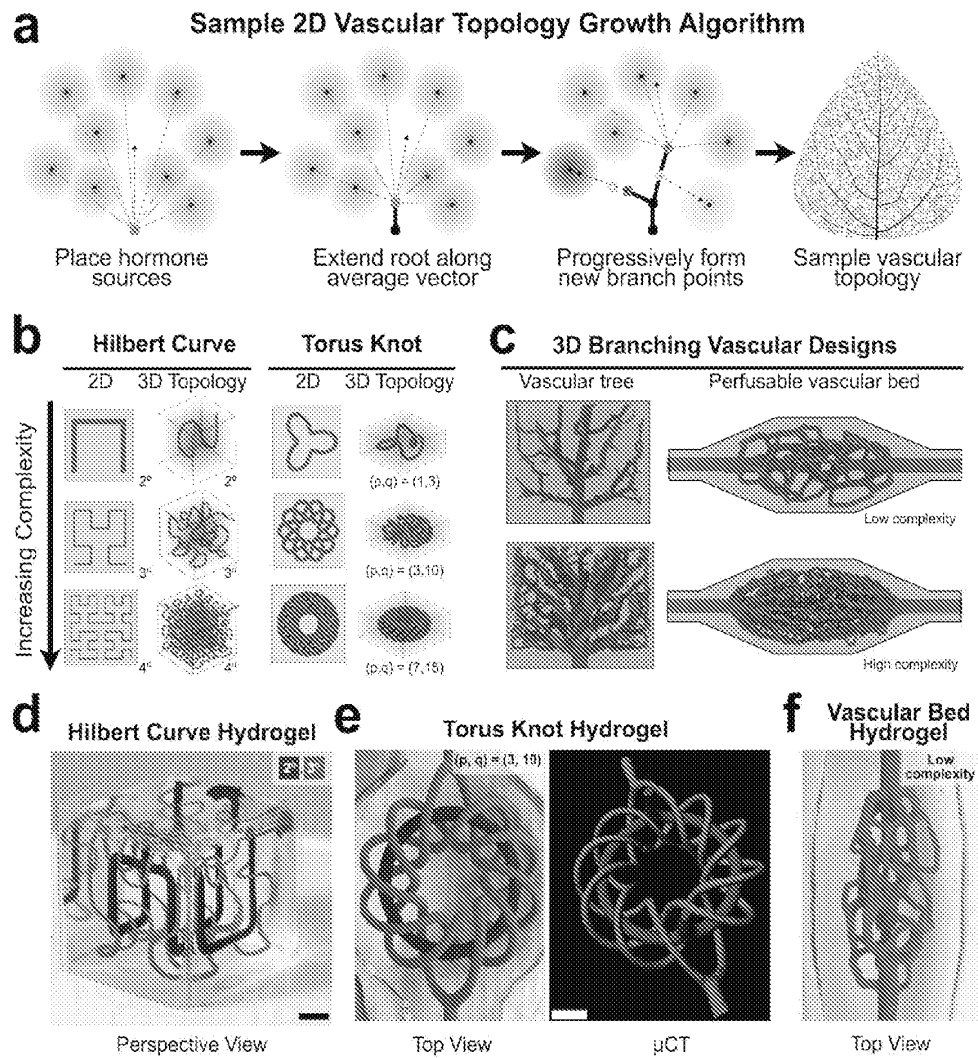


FIG. 11

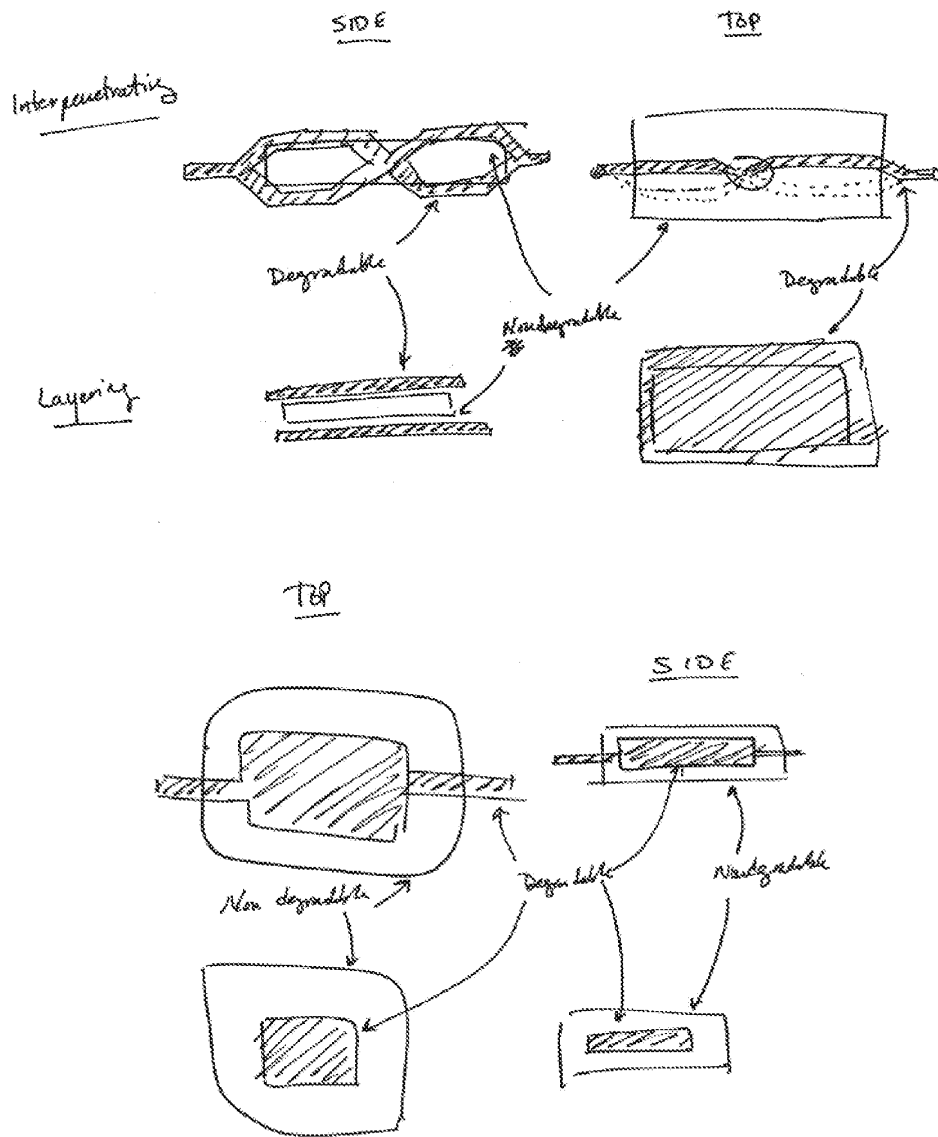


FIG. 12

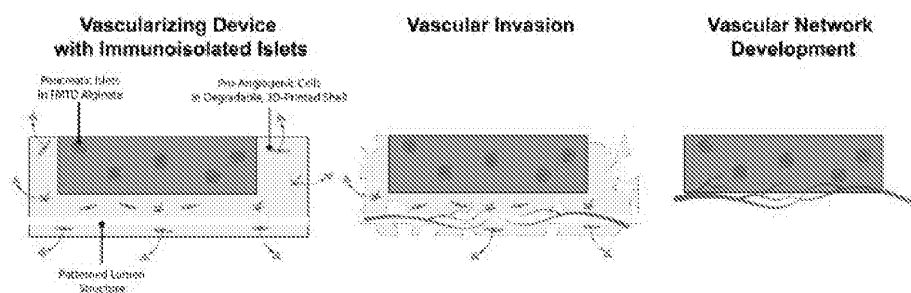
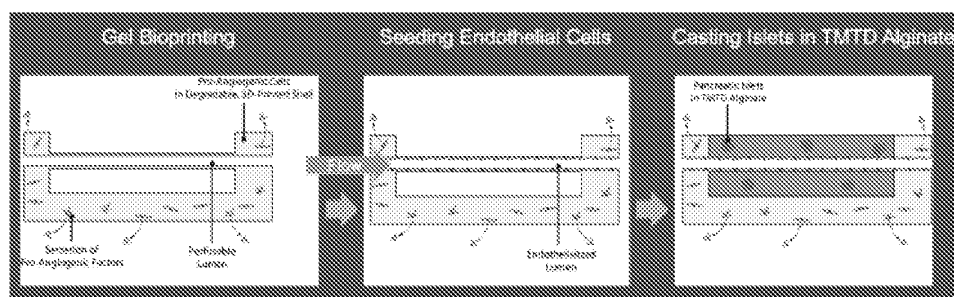
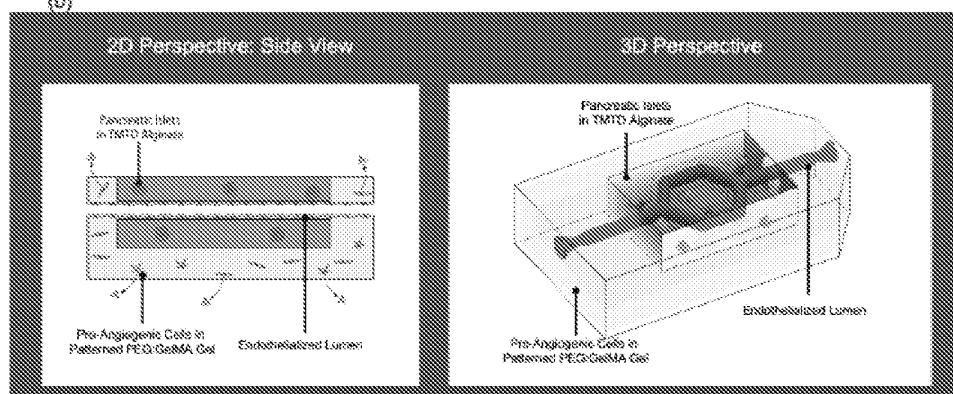


FIG. 13

(a)



(b)



FIGS. 14A-B

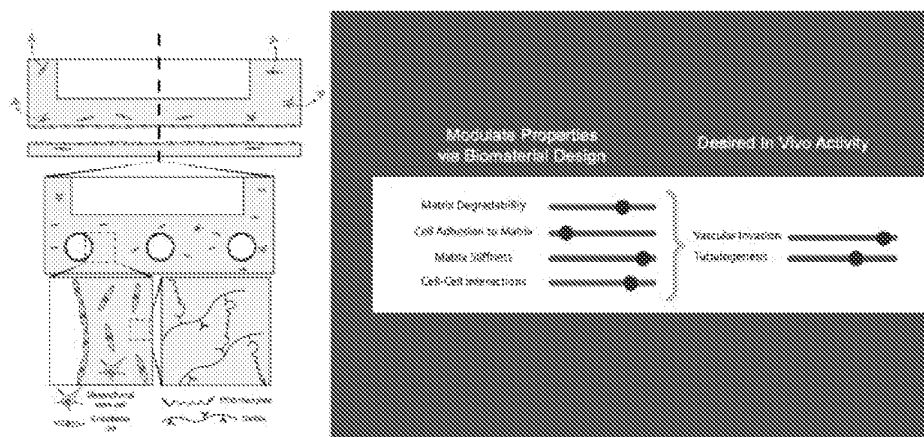
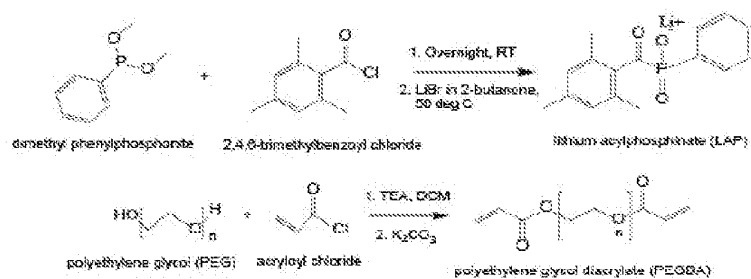
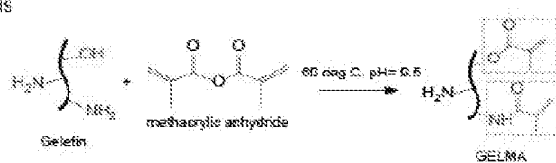


FIG. 15

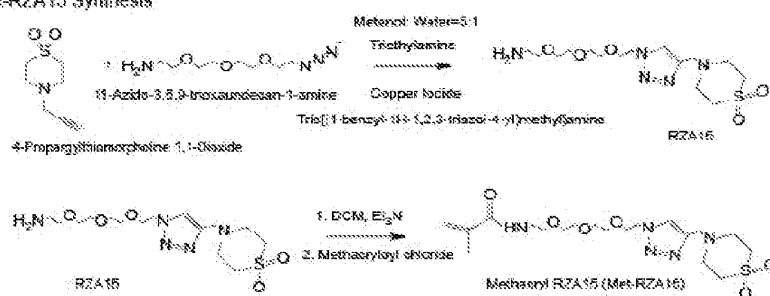
a. LAP and PEGDA Synthesis



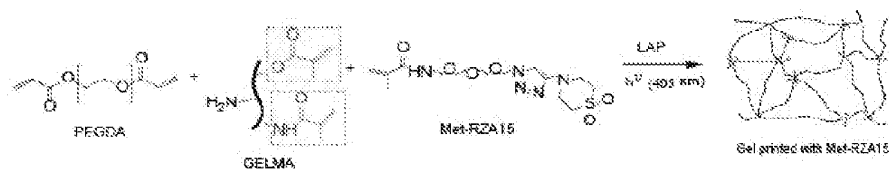
b. GELMA Synthesis



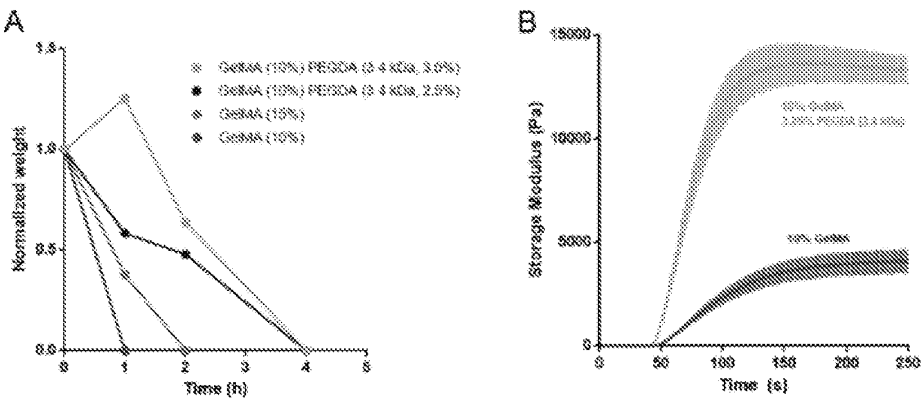
c. Met-RZA15 Synthesis



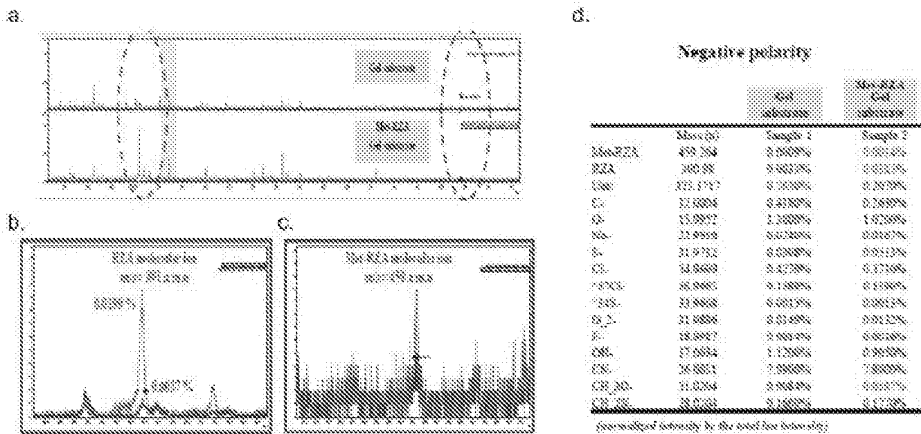
d. Met-RZA15-Modified Gel Synthesis



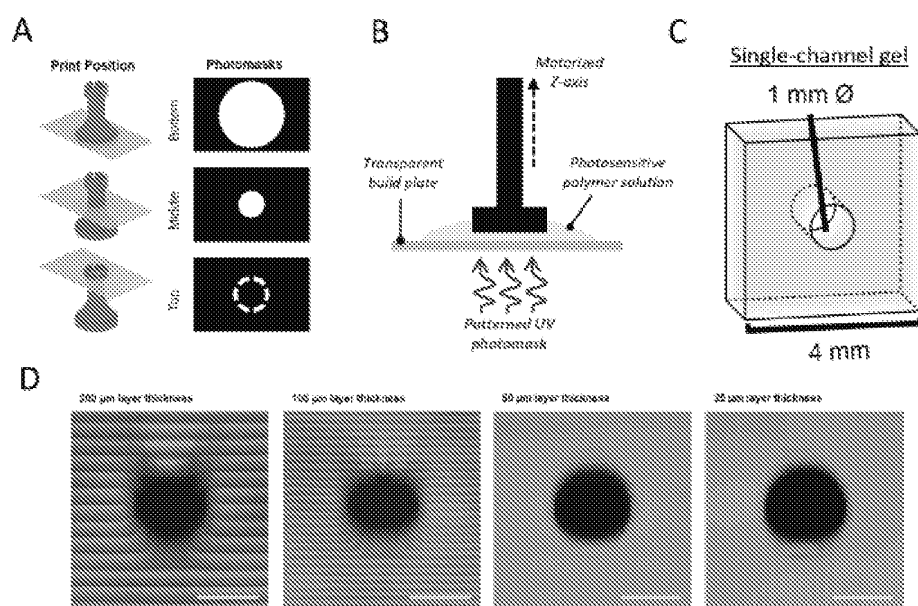
FIGS. 16A-D



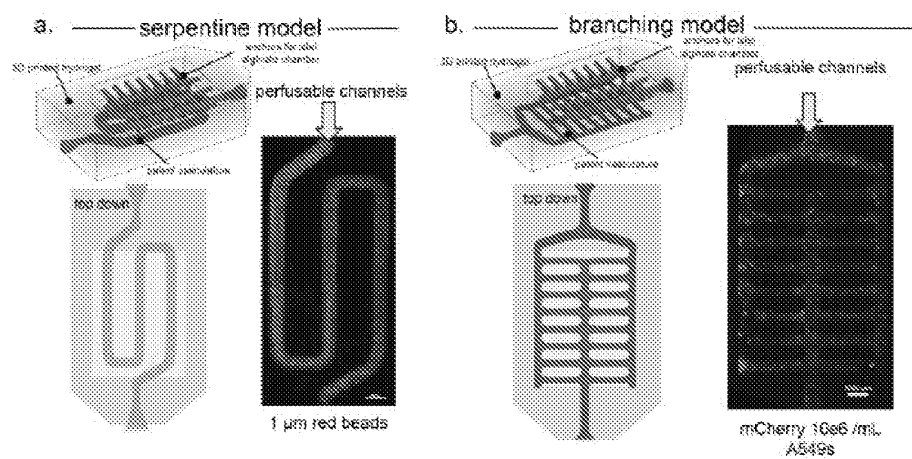
FIGS. 17A-B



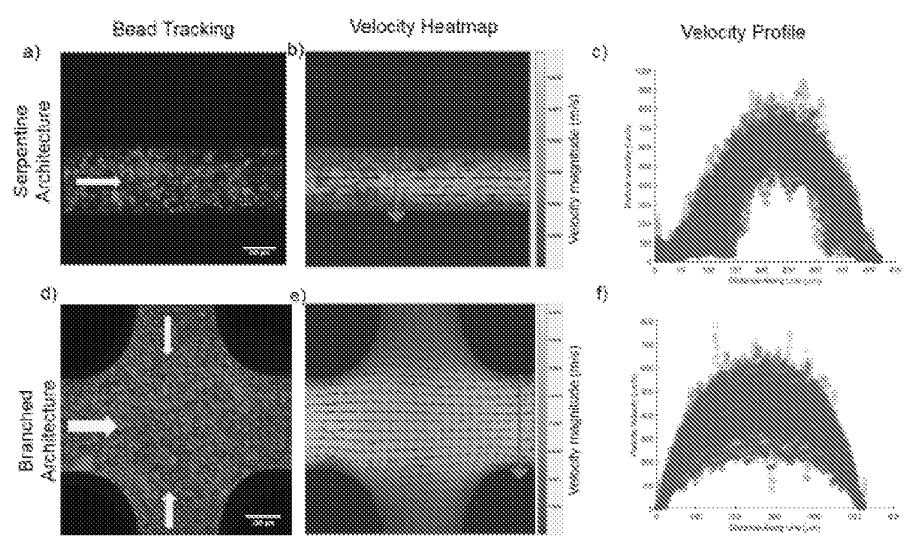
FIGS. 18A-D



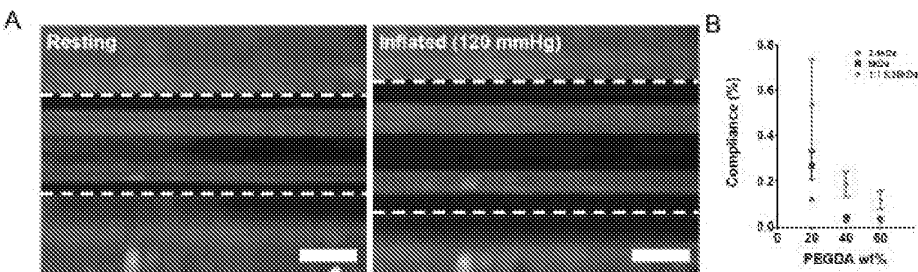
FIGS. 19A-D



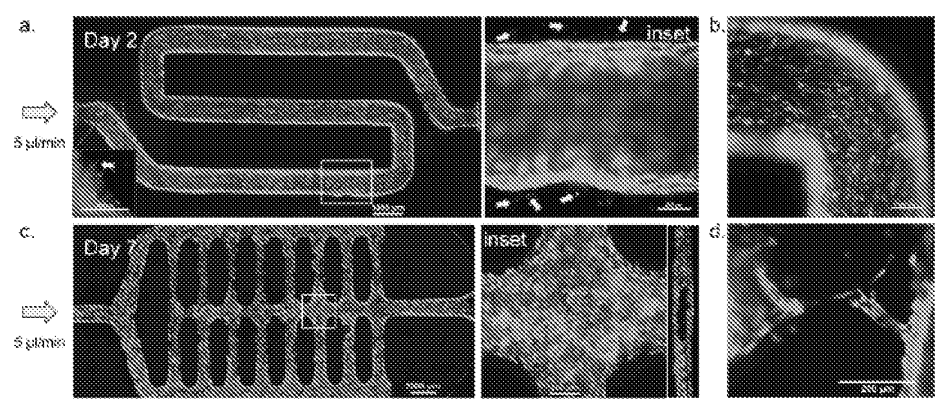
FIGS. 20A-B



FIGS. 21A-F



FIGS. 22A-B



FIGS. 23A-D

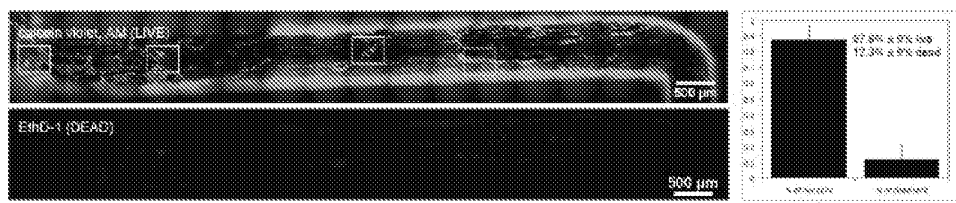
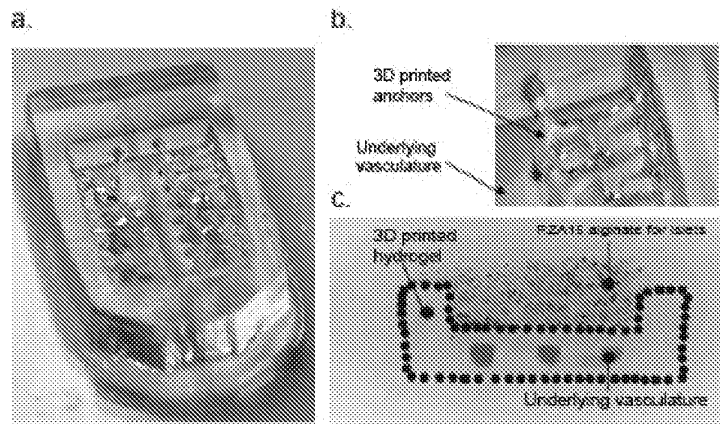
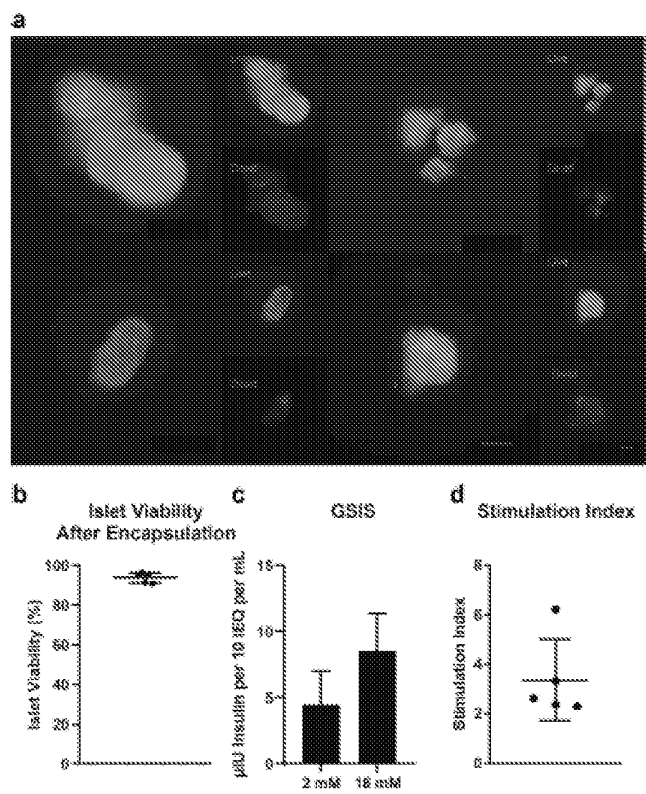


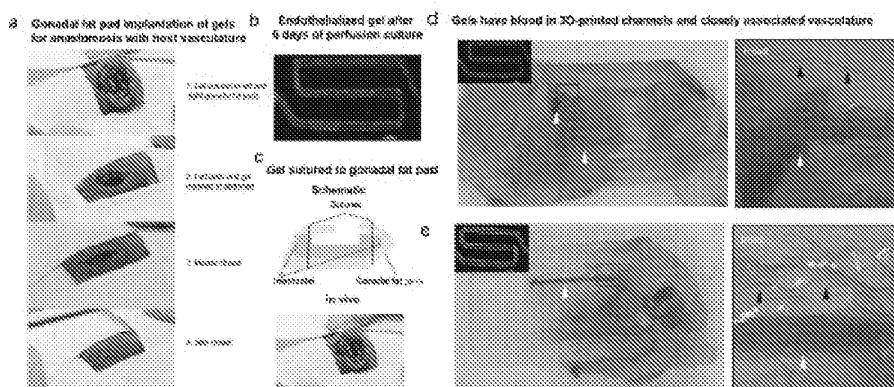
FIG. 24



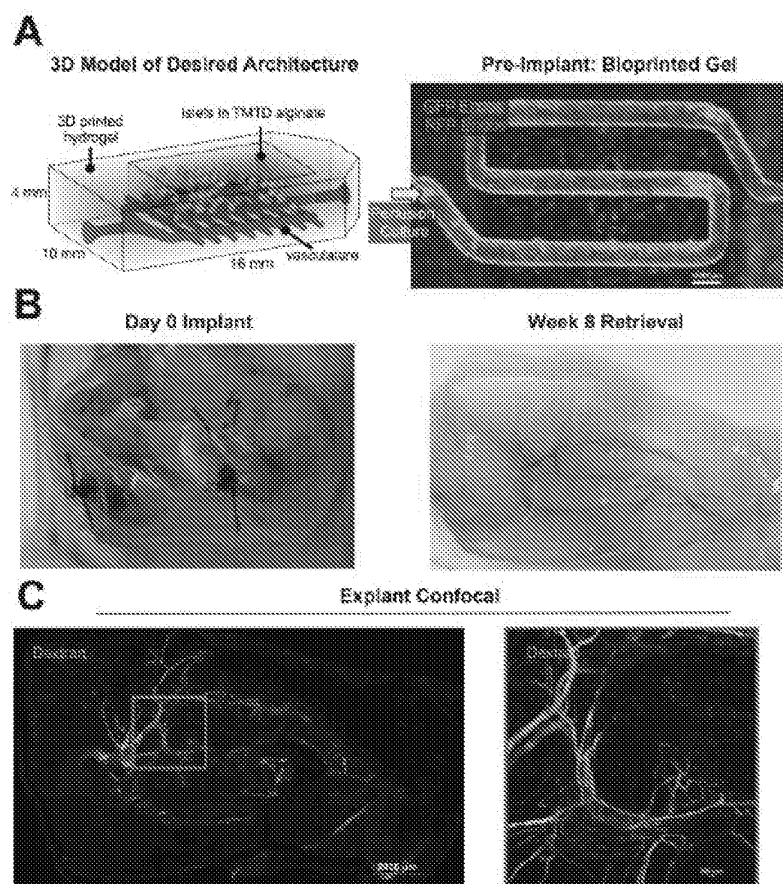
FIGS. 25A-C



FIGS. 26A-D



FIGS. 27A-D



FIGS. 28A-C

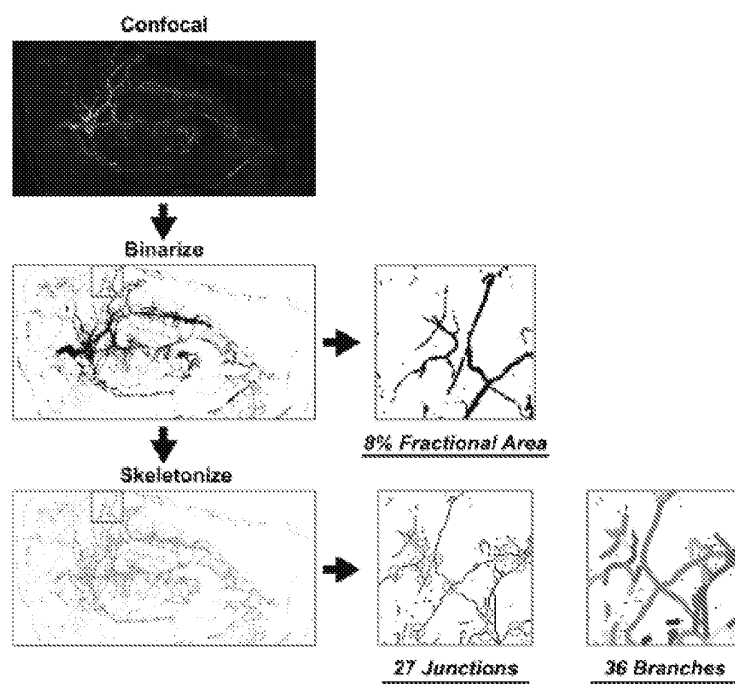
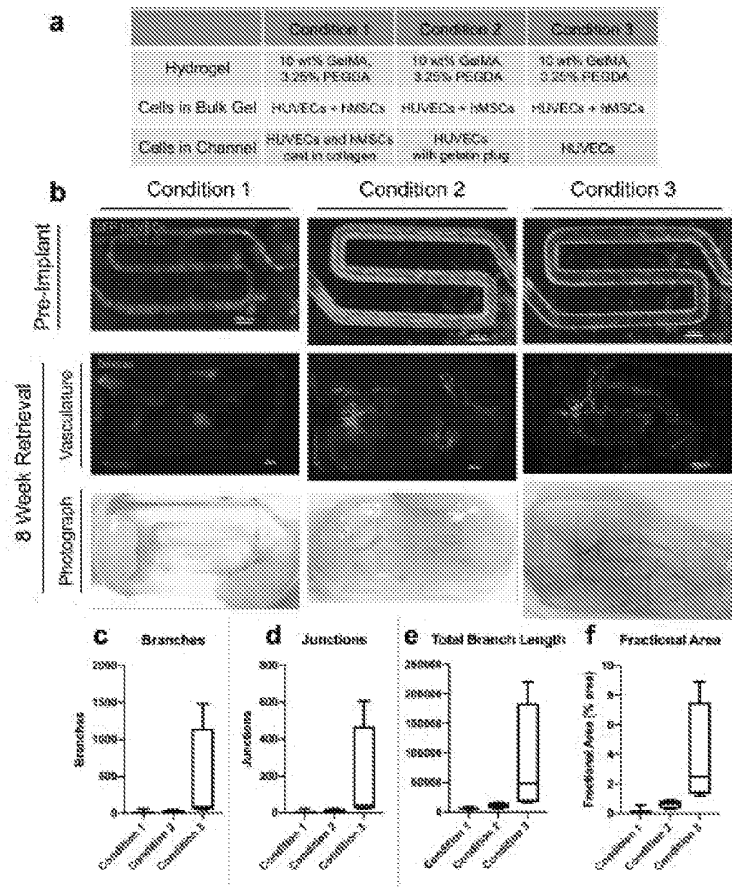
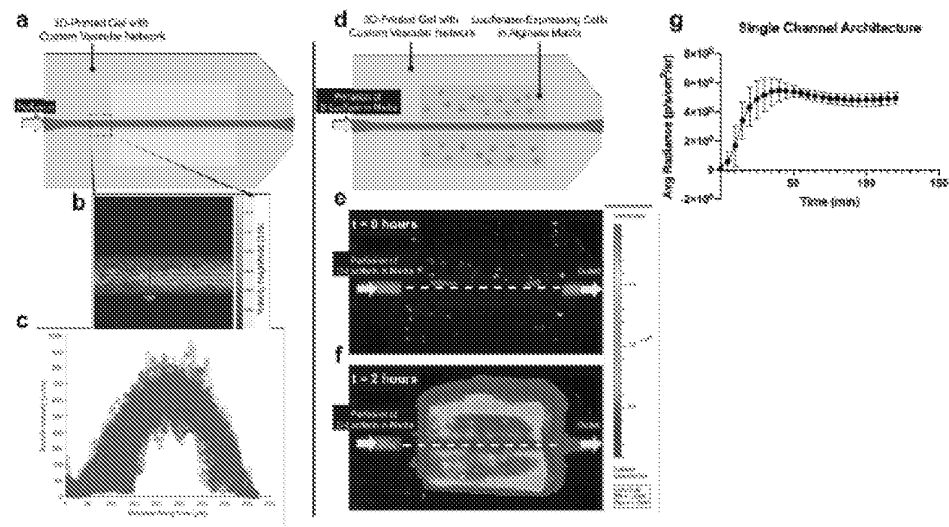
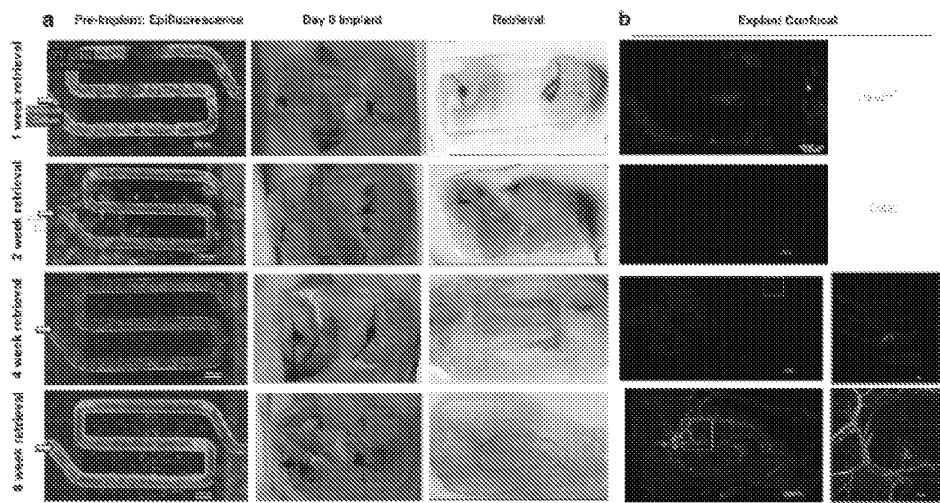
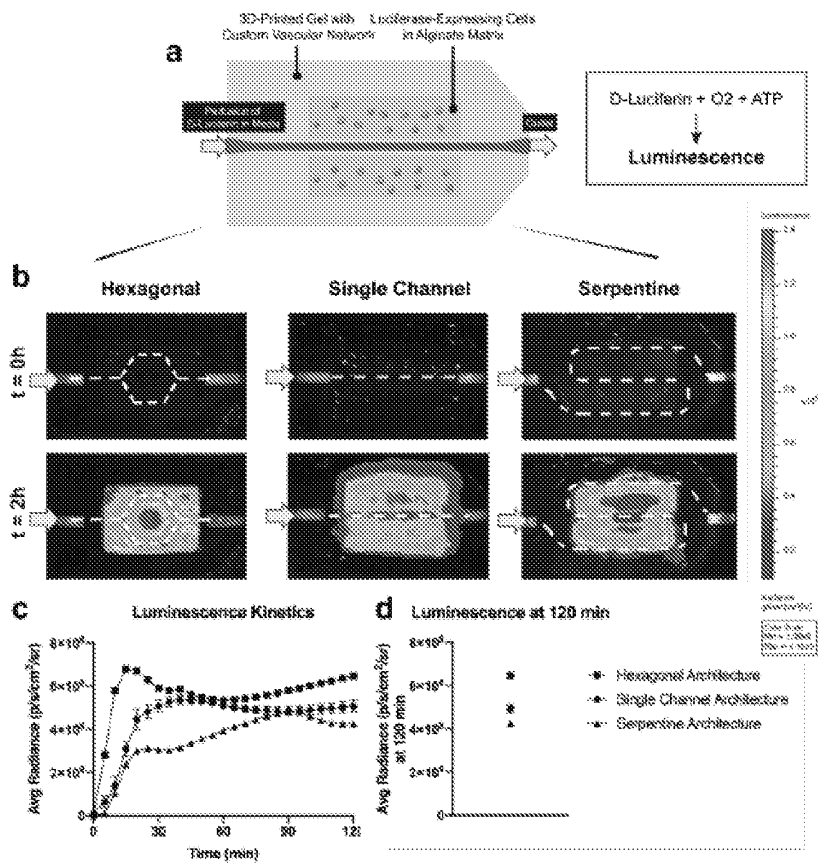


FIG. 29

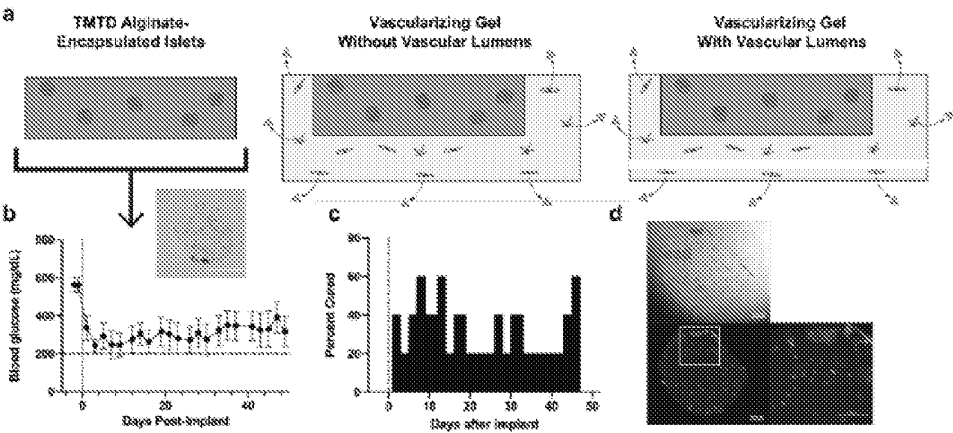


FIGS. 30A-F





FIGS. 33A-D



FIGS. 34A-D

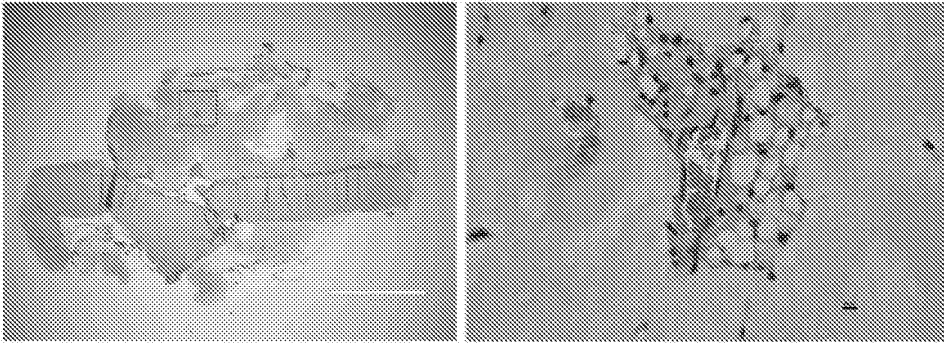


FIG. 35

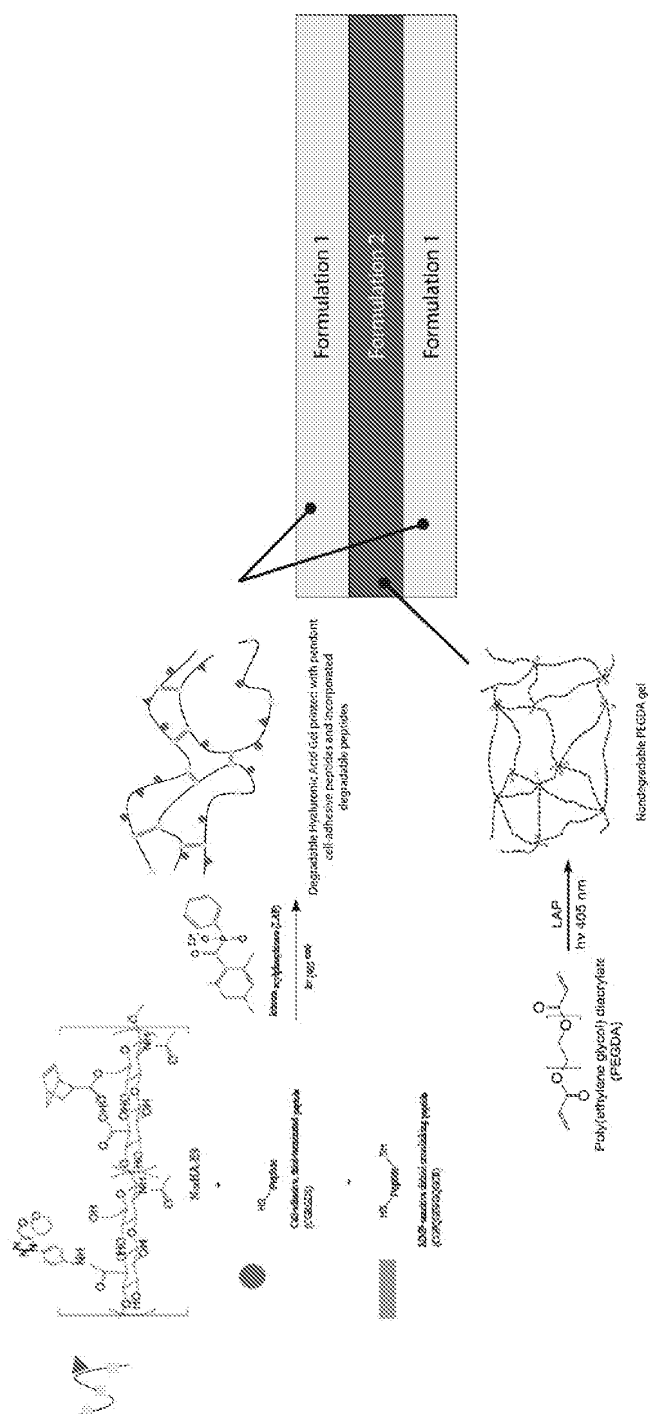


FIG. 36