CLAIMS

1. A biodegradable synthetic surgical mesh comprising a polymeric material, wherein the surface of said mesh is functionalized with a zwitterionic functional group comprising at least one of a polybetaine, sulfobetaine methacrylate (SBMA), carboxybetaine methacrylate (CBMA), or a polyampholyte.

2. The synthetic surgical mesh of claim 1, wherein said polymeric material comprises at least one of polypropylene (PP), polyethylene terephthalate (PET), expanded polytetrafluoroethylene (ePTFE), polycaprolactone (PCL), poly(L-lactide) (PLL), polyglycolic acid (PGA) and copolymers thereof, poly(lactic-coglycolic acid) (PLGA), poly(glycolide-co-caprolactone), and polyglycolide-co-trimethylene carbonate).

3. The synthetic surgical mesh of claim 1, wherein said mesh is non-woven.

4. A kit for use in performing a surgical procedure, comprising the synthetic surgical mesh of any of claims 1-3.