

Table 2. Peptides and the original protein from which they are derived utilized for material modification.

Peptide	Protein	Materials Modified
RGD	Collagen I, Fibronectin, Fibrinogen, Vitronectin, Osteopontin	Poly(ethylene glycol), Poly(ethylene terephthalate), Fluorinated ethylene propylene copolymers, glycophase glass, Quartz, Polyvinyl alcohols, polyurethanes, polyacrylamide, polytetrafluoroethylene, acrylic acid-based copolymers, langmuir-blodgett films (self-assembly), polystyrene, titanium, self-assembled on gold coatings, stainless steel, silk-based materials, agarose, acrylamide-based copolymers, collagen/glycosaminoglycan matrices
P-15	Collagen I	Bovine anorganic bone mineral
KQAGDV	Fibrinogen	Glass
REDV	Fibronectin	Acrylic-acid based copolymers,
FHRRIKA	Fibronectin (splice variant)	Quartz, titanium, acrylamide-based copolymers
PHSRN	Fibronectin	Poly(ethylene glycol), Acrylic-acid based copolymers
RGD-G _x -PHSRN	Fibronectin	Poly(ethylene glycol), glass
IKVAV	Laminin	Fluorinated ethylene propylene copolymers, glassy carbon, self-assembled on gold coatings, agarose
YIGSR	Laminin	Fluorinated ethylene propylene copolymers, polytetrafluoroethylene, self-assembled on gold coatings, agarose
CDPGYIGSR	Laminin	Glassy carbon
PDSGR	Laminin	Glassy carbon
BMP2-derived sequence	BMP2	Alginate
Osteopontin-derived sequence	Osteopontin	Oligo(poly(ethylene glycol) fumarate)/poly(ethylene glycol) copolymers

Amino acid abbreviations: A – alanine; C – cysteine; D – aspartic acid; E – glutamic acid; F – phenylalanine; G – glycine; H – histidine; I – isoleucine; K – lysine; L – leucine; M – methionine; N – asparagine; P – proline; Q – glutamine; R – arginine; S – serine; T – threonine; V – valine; W – tryptophan; Y – tyrosine