	Stabilising Particle	Stabilising particle size & shape		Emulsion Type	Cargo	Ref
	Chitosan	300 nm	Sphere	O/W	Rutin	16
Topical application	Cyclodextrin	2 nm	Truncated cone	W/W	Bupivacaine Base	18
	Silica	15-20 nm	Sphere	O/W	all-trans Retinol	11
		20 nm	Sphere	O/W	VX	12
		20 nm	Sphere	W/O	Caffeine	10
Oral application	Silybin	300 nm	Flat sphere	O/W	Self-stabilising	29
	Starch	100 nm	Irregular	O/W	Thymol	17
					Amphotericin B	
	Magnesium hydroxide	21 and 45 nm	n/a*	O/W	Ibuprofen	28
Parenteral application	Glycerol monostearate	n/a*	n/a [*]	W/O	Oseltamivir Phosphate	33
	Polylactic-co-glycolic acid (PLGA)	n/a [*]	n/a [*]	W/O	Oxaliplatin	30
		100-120 nm	n/a [*]	O/W	Antigen	34
Biosensing & Bioseparation	N-Acrylchitosan	n/a [*]	n/a [*]	O/W	Escherichia coli	41
					Micrococcus luteus	
	Silica	10 nm	Sphere	O/W	S-Naproxen	40
		10 nm	Sphere		17-b-estradiol	42
		5-15 nm	Sphere		Haemoglobin	24
		12 nm	Sphere		Bisphenols	44
		n/a*	n/a*	W/O	Haemoglobin	41
	Magnetite	n/a*	n/a*	O/W	λ- Cyhalothrin	42

Table 1: Examples of Pickering emulsions for biomedical applications, including therapeutic delivery, biosensing and bioseparation.

*Information not applicable or not provided.

	Stabilising Particle	Stabilising particle size & shape		Emulsion Type	Stimulus Response	Ref
Hd	Graphene oxide@polylactic acid@hydroxyapatite	1.2 µm [¥]	Sphere [¥]	Microcapsule (from W/O/W)	Induced cargo release	51
	Hairy silica	20-30 nm	Hairy spheres	O/W or W/O or O/W/O	Phase inversion	64
Light	Silica@lanthanide-doped upconversion nanoparticles (UCNPs)	150 nm	Sphere	W/O	Reversible phase inversion	79
	Silica	250-350 nm	Sphere	O/W	Reversible phase inversion	80
	Titania	30 nm	Hairy spheres	W/O	Reversible phase inversion	52
Temperature	Carbon dots/Poly(<i>N</i> -isopropylacrylamide)	100 nm	Sphere	O/W	Controlled fluorescence	9
	Poly(<i>N</i> -isopropylacrylamide)	820 nm (Fe ₃ O ₄)	Hairy irregular sphere	O/W	Demulsification	85
	Silica	20 nm	Sphere	O/W	Demulsification	89
Magnetic	Magnetite	200 nm to 40 µm	Sphere	O/W	Reversible demulsification	97
	Magnetite-grafted-octyltriethoxysilane	15 to 35 nm	Sphere	O/W	Increased stability	96
	Magnetite-grafted-polystyrene	12 nm	Hairy sphere	O/W	Demulsification	95
pH & Light	Poly(methacrylic acid- <i>co</i> -methyl methacrylate- <i>co</i> -7-(4-vinylbenzyloxyl)-4-methylcoumarin)	80 to 110 nm	Micelle	O/W	Shape change	100
рН & Temperature	Poly[2-(dimethylamino)ethyl methacrylate]- grafted-cellulose nanocrystals	350 nm	Nanotubes	O/W	Reversible demulsification	105
	Poly(methyl methacrylate)- <i>block</i> -poly(((4- adamantaneimino)methyl) phenyl methacrylate)- <i>grafted</i> -poly(<i>N</i> -isopropylacrylamide)	135 nm	Sphere	O/W	Demulsification	104
Protease & Light	Gold-grafted-a-synuclein	10 nm (Au); 35 µm [¥]	Sphere; β- sheet [¥]	Microcapsule (from O/W)	Induced cargo release, and photothermal activity	53

 Table 2 Examples of stimuli-responsive Pickering emulsions for biomedical applications.

^{*}Size and/or shape of final microcapsule.