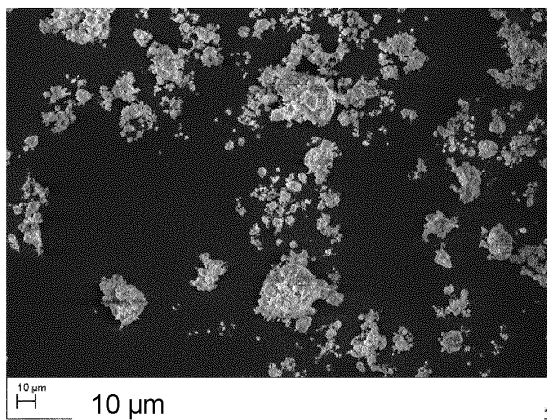


Fig. 1

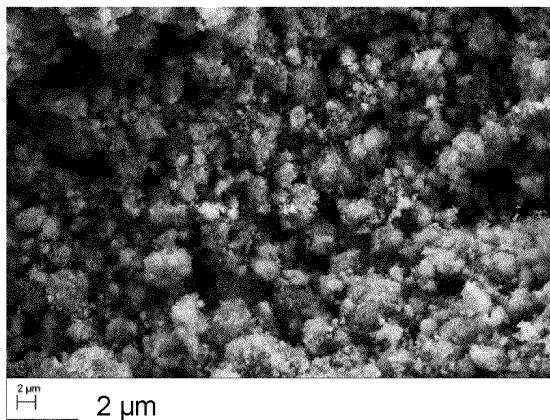
sample	HA Sigma	ACP Sigma	CaNa	II CaPaNa	CaPaNaF	alpha	Beta	gamma 1	gamma 2	delta
comment	Reference Sigma HA	Reference Sigma ACP	CaCl ₂ /Na ₂ HPO ₄	CaCl ₂ /Na ₂ HPO ₄ with Peptide in Na ₂ HPO ₄	CaCl ₂ /Na ₂ HPO ₄ with Peptide and fluoride in Na ₂ HPO ₄	CaCl ₂ /Na ₂ HPO ₄	Remin Kirkham	CaCl ₂ /Na ₂ HPO ₄ with Peptide in Na ₂ HPO ₄	CaCl ₂ /Na ₂ HPO ₄ with Peptide in CaCl ₂	Peptide in water / re-min Kirkham
C/P-ratio	2.53	1.42	1.12	0.65	2.16	1.26	-	1.08	1.72	-
Result	HA	ACP	div calcium phosphates (Brushite, Pyro)	div Phos div calcium phosphates (Tri-phosphate)	HA	div calcium phosphates (Brushite, Pyro)	no precipitate	div calcium phosphates (Brushite, Pyro)	HA	no precipitate
Peptide phase	n.a.	n.a.	n.a.	opaque	opaque	n.a.	n.a.	clear	opaque	clear
c(peptide) (mg/mL)	0	0	0	30	30	0	0	20	20	20
c(CaCl ₂) (M)	0	0	0.36	0.36	0.108	0.14	0.0015	0.14	0.14	0.0015
c(Na ₂ HPO ₄) (M)	0	0	0.4	0.4	0.12	0.14	0.0009	0.14	0.14	0.0009
Precipitation	n.a.	n.a.	immediately	immediately	immediately	immediately	NO	immediately	immediately	NO
Morphology of crystals	round, milled particles	round, milled particles	Round Double structure, inside porous 10-30 µm	Round, inside porous 5-20 µm	Crystal-like structure, > 10 µm	Flat square crystals 10-20 µm	-	Interwoven morphology/network, crystals visible Less than 5 µm	Interwoven morphology/network, crystals visible Less than 2 µm	-

Fig. 2

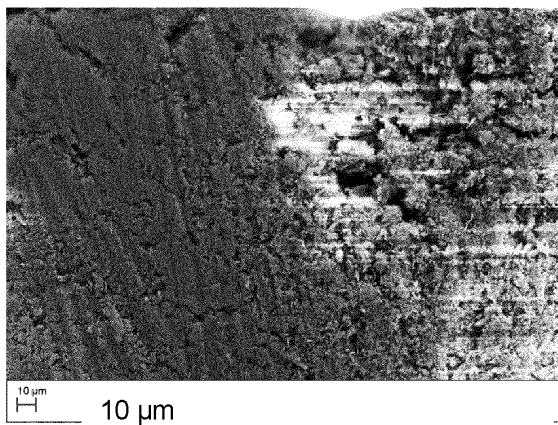
A) Control: HA a)



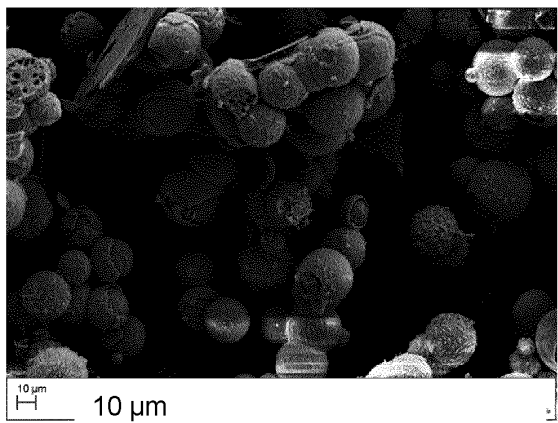
b)



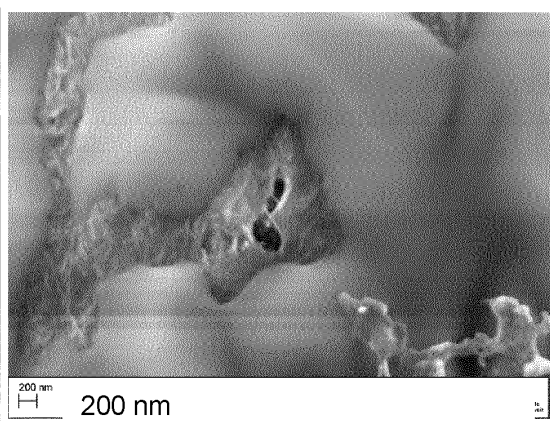
B) Control: ACP a)



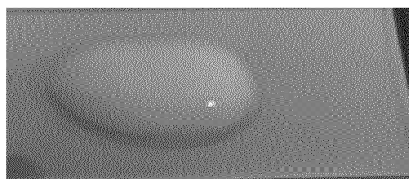
C) CaNa a)



b)



Cc)



d)

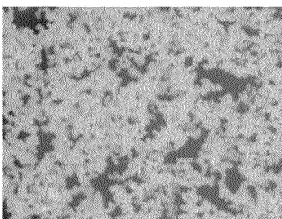
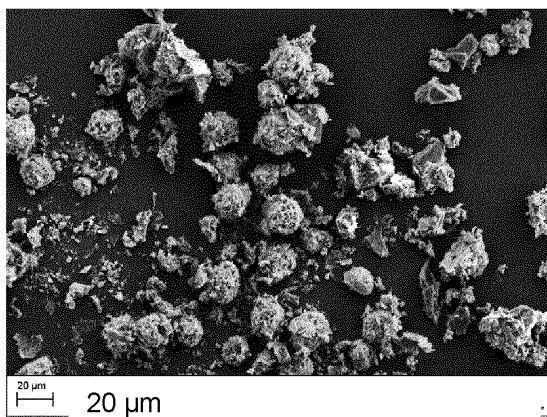
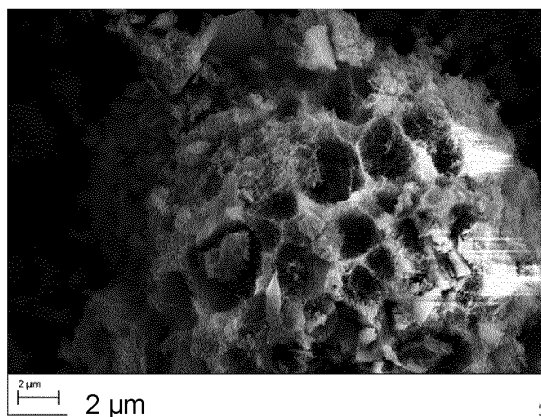


Fig. 2

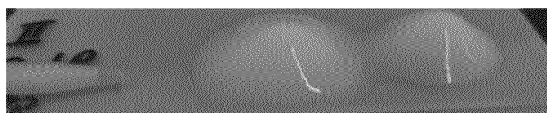
D) CaPaNa a)



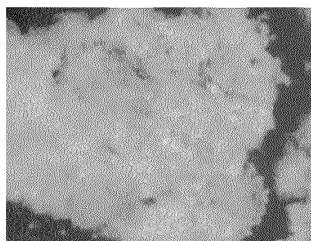
b)



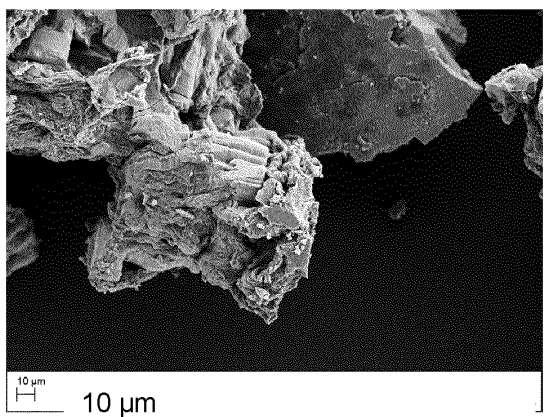
D)c)



d)



E) CaPaNaF a)



b)

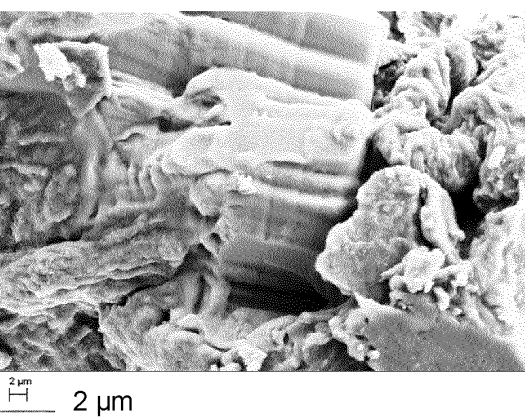
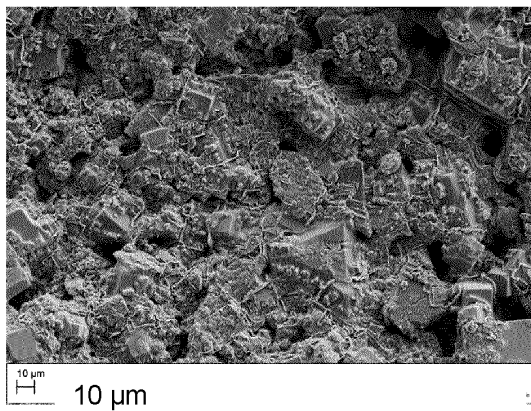
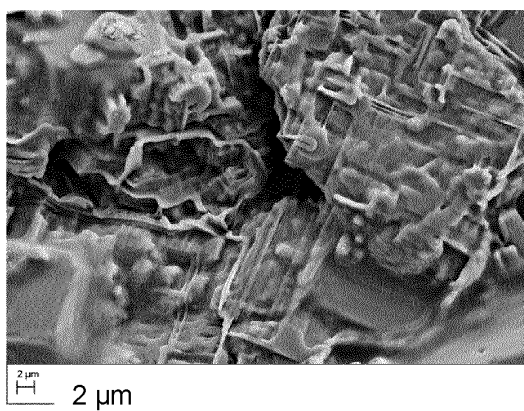


Fig. 2

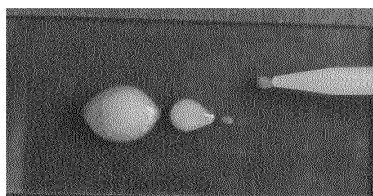
F) alpha a)



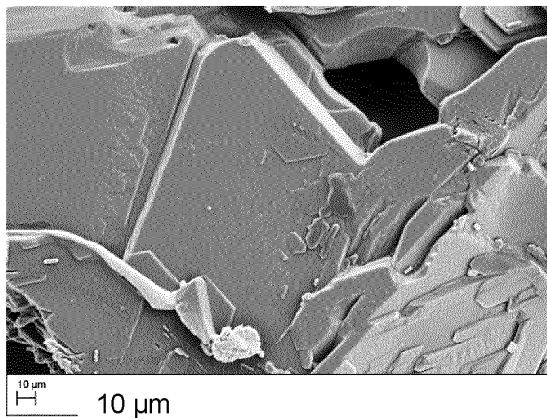
b)



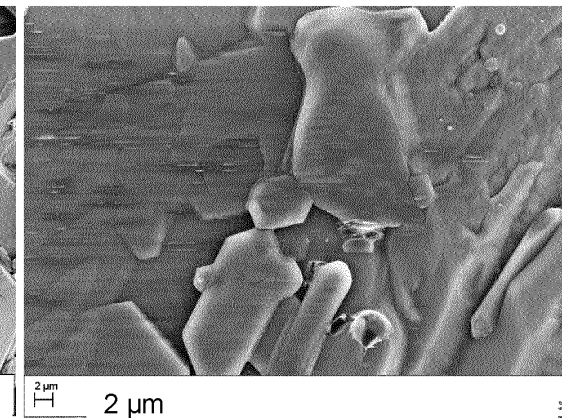
F)c)



G) beta a)



b)



G)c)

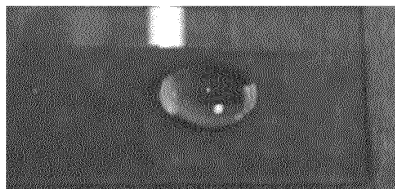
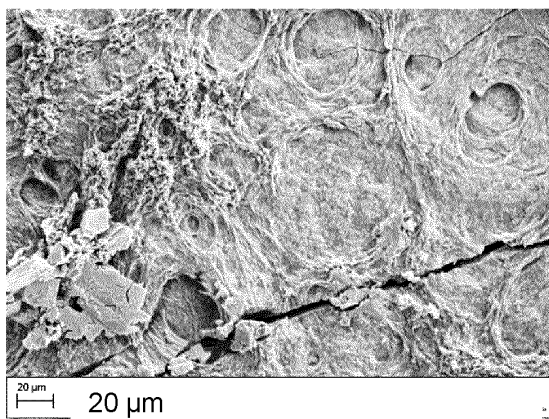
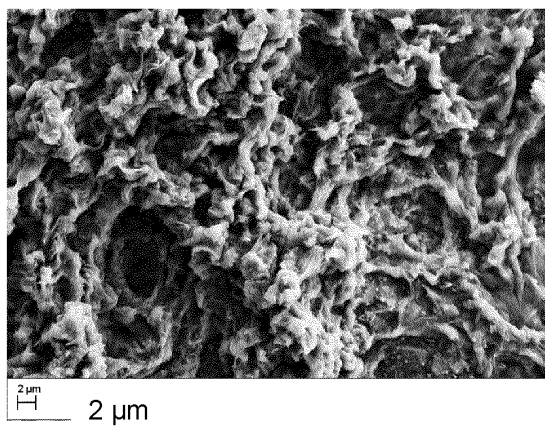


Fig. 2

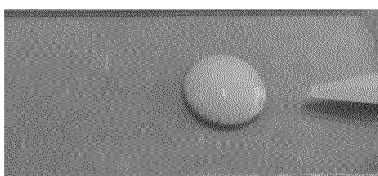
H) gamma-1 a)



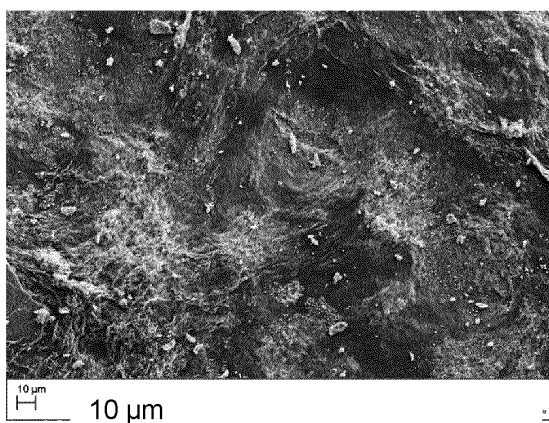
b)



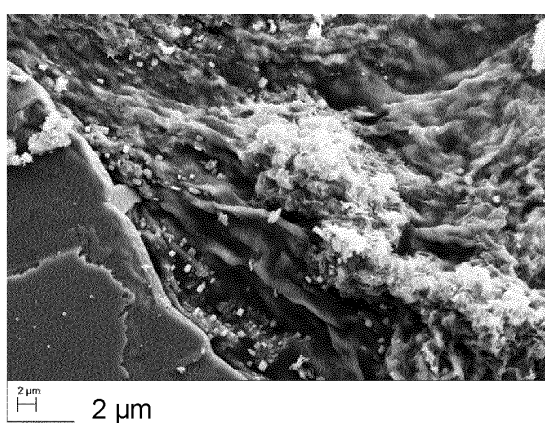
H)c)



I) gamma-2 a)



b)



I)c)

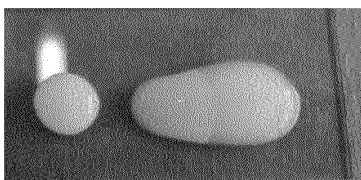
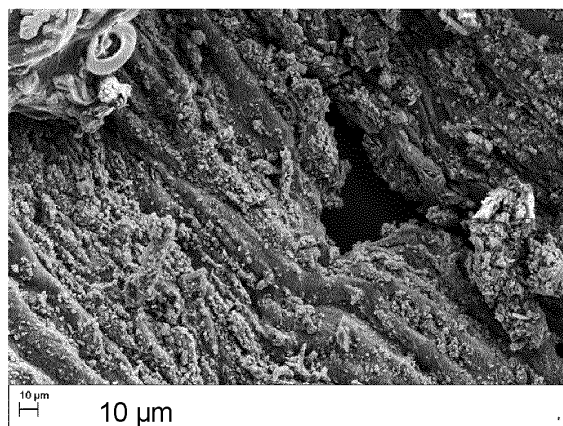
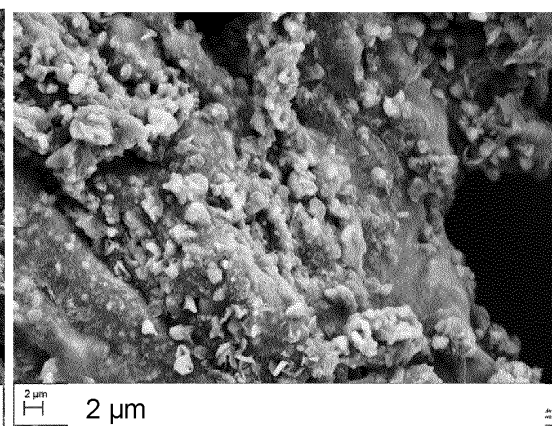


Fig. 2

J) delta a)



b)



J)c)

