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Somatic embryogenesis for what?

Somatic embryogenesis can be used for different purposes, namely:

Cloning

Genetic transformation

Synthetic seeds

Conservation of endangered species

Propagation of hybrids or dioecious species

Production of tetraploids

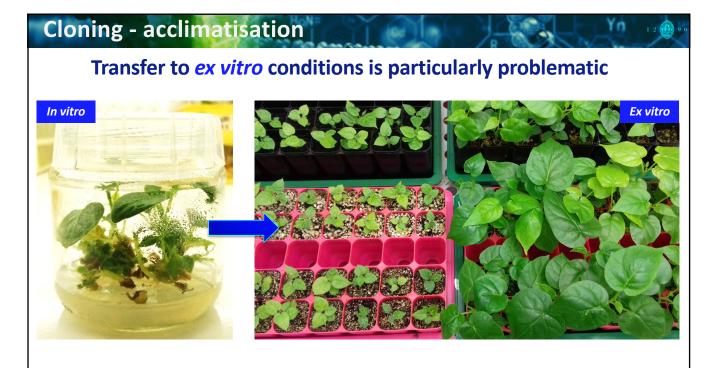
Embryo development



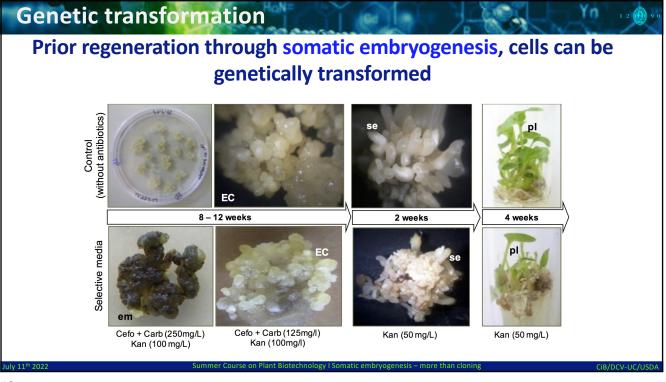
Υ'n

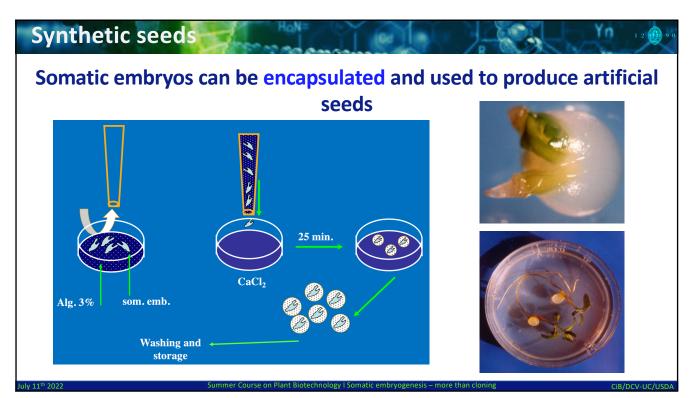
			са	n be	obtained	l i			
						Tamarillo (S	Solanum be	etceum)	
			otal number of somatic embry M sucrose) and under photope		blings obtained after 1 and				1207
Explant	Initial embryogenic	Callus + SE FW	Number of SE per explant (after 1 month of culture)		Number of emblings per	Imm	100		Imm
xplant	Initial embryogenic tissue FW (g)	Callus + SE FW after 1 month (g)	Number of SE per explant (after 1 month of culture) Normal/cotyledonary SE	Abnormal SE	Number of emblings per explant (after 3 months)	<u>1 mm</u>			<u>1mm</u>
Explant 1			(after 1 month of culture)			d			<u>1mm</u>
Explant 1	tissue FW (g)	after 1 month (g)	(after 1 month of culture) Normal/cotyledonary SE	Abnormal SE		d			
Explant	tissue FW (g)	after 1 month (g)	(after 1 month of culture) Normal/cotyledonary SE	Abnormal SE 8		d Contraction			
Explant 1 2 3 4	0.049 0.052	after 1 month (g) 1.06 1.32	(after 1 month of culture) Normal/cotyledonary SE	Abnormal SE 8 13	explant (after 3 months)	d Contraction		n1	
1 2 3 4	0.049 0.052 0.026	after 1 month (g) 1.06 1.32 1.16	(after 1 month of culture) Normal/cotyledonary SE 8 2 3	Abnormal SE 8 13 33	explant (after 3 months) 2 7 23	dia tanàna amin'ny faritr'o dia mandritry di			<u>180</u>
1 2 3 4 5	0.049 0.052 0.026 0,041	after 1 month (g) 1.06 1.32 1.16 0.96	(after 1 month of culture) Normal/cotyledonary SE 8 2 3	Abnormal SE 8 13 33 28	explant (after 3 months) 2 7 23 41	d Internet		I A A A A A A A A A A A A A A A A A A A	
Explant 1 2 3 4 5 6 Mean ± SE*	0.049 0.052 0.026 0.041 0.040	after 1 month (g) 1.06 1.32 1.16 0.96 1.57	(after 1 month of culture) Normal/cotyledonary SE 8 2 3	Abnormal SE 8 13 33 28 15	explant (after 3 months) 2 7 23 41 23			× ×	



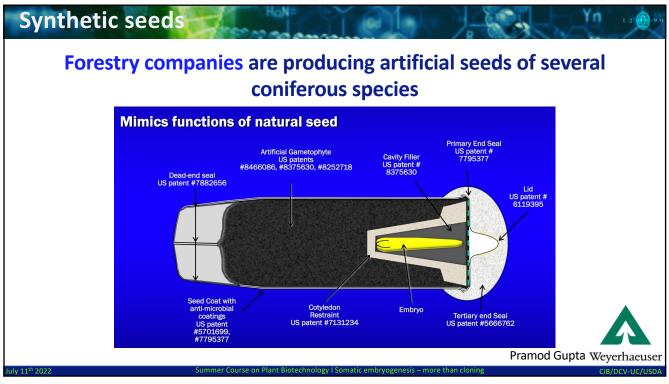


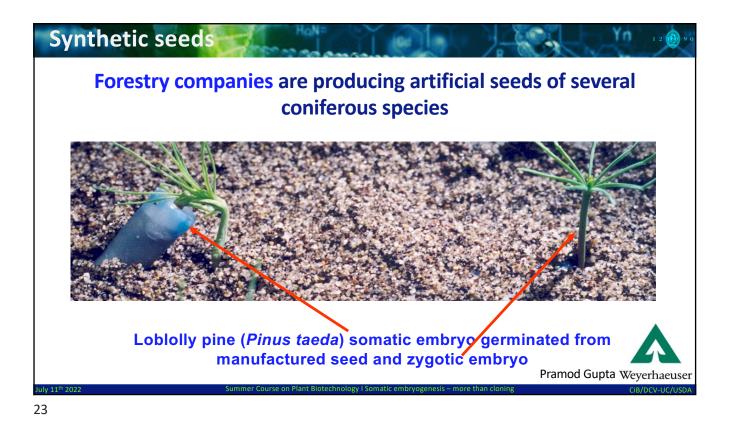


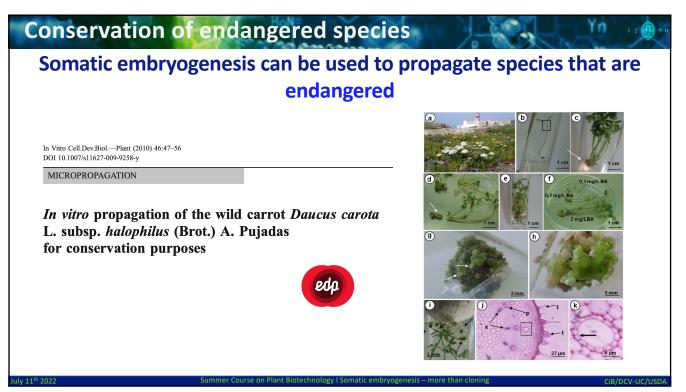




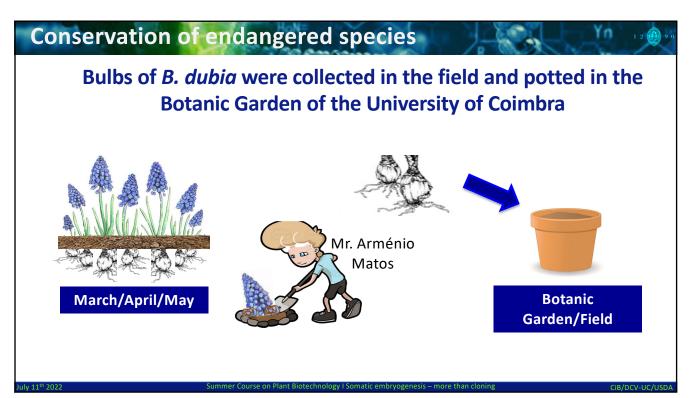




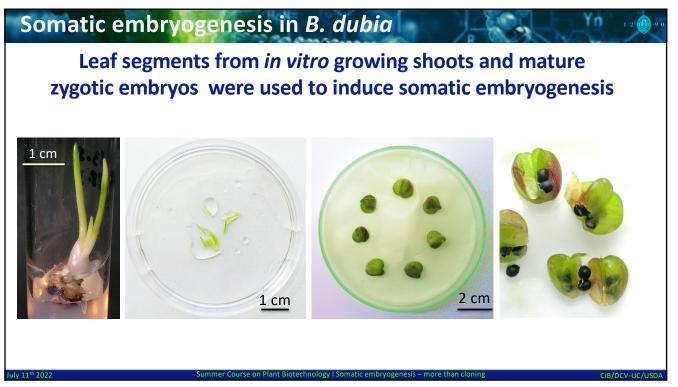


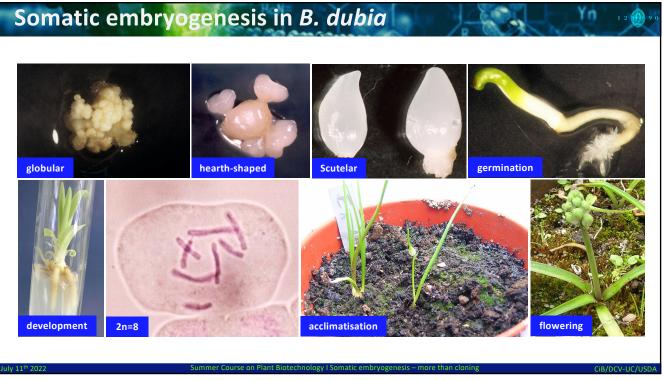


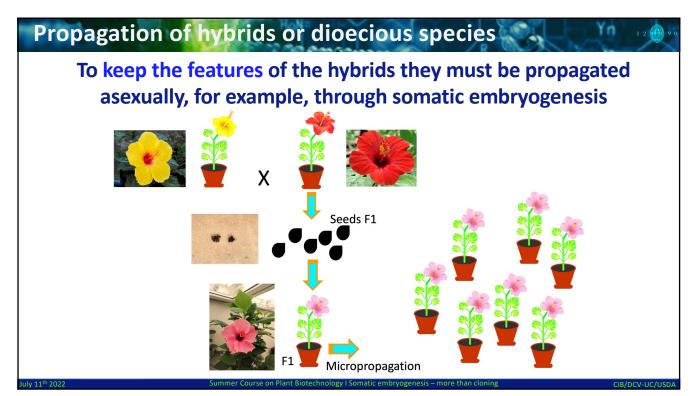


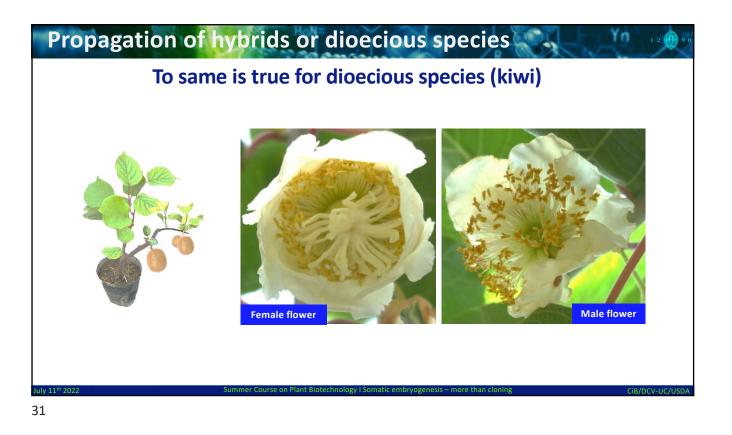


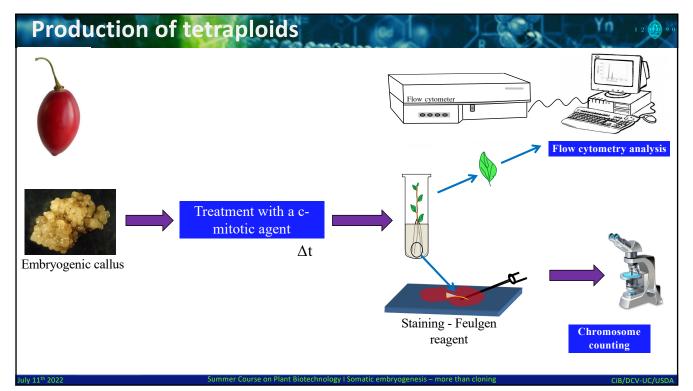


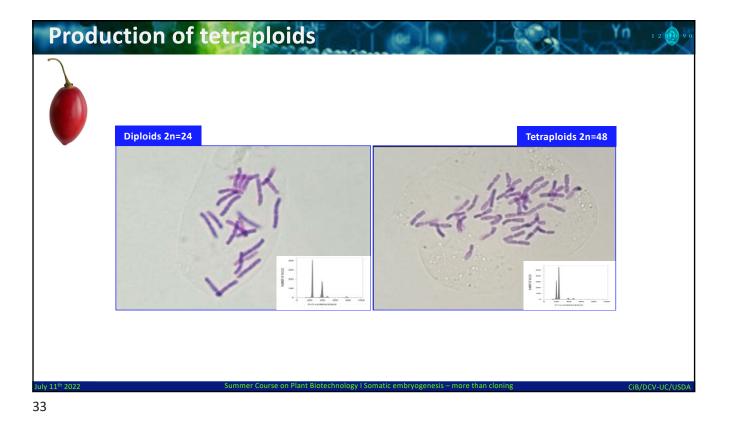


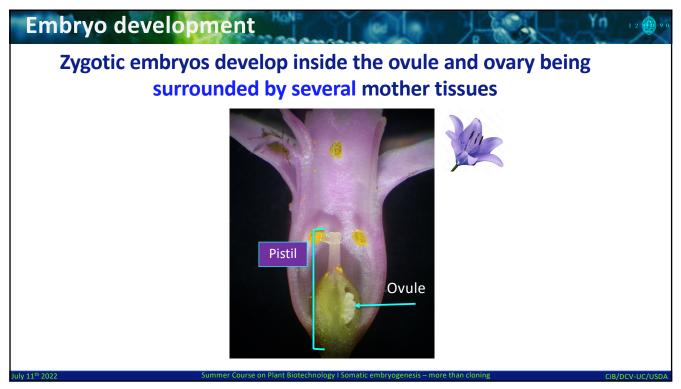


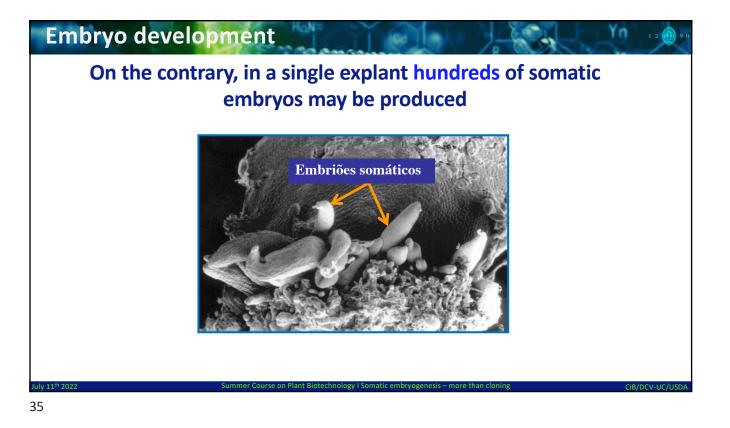


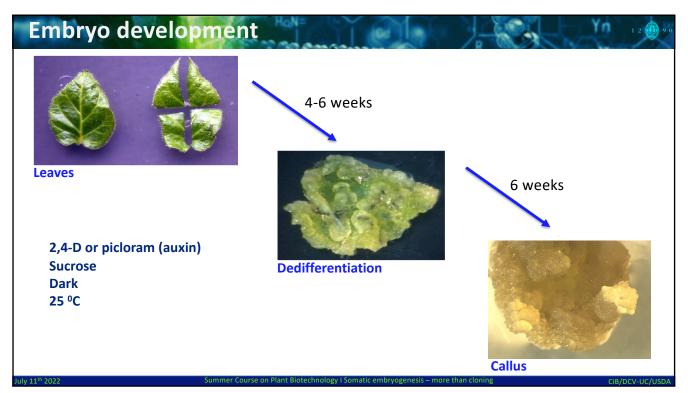


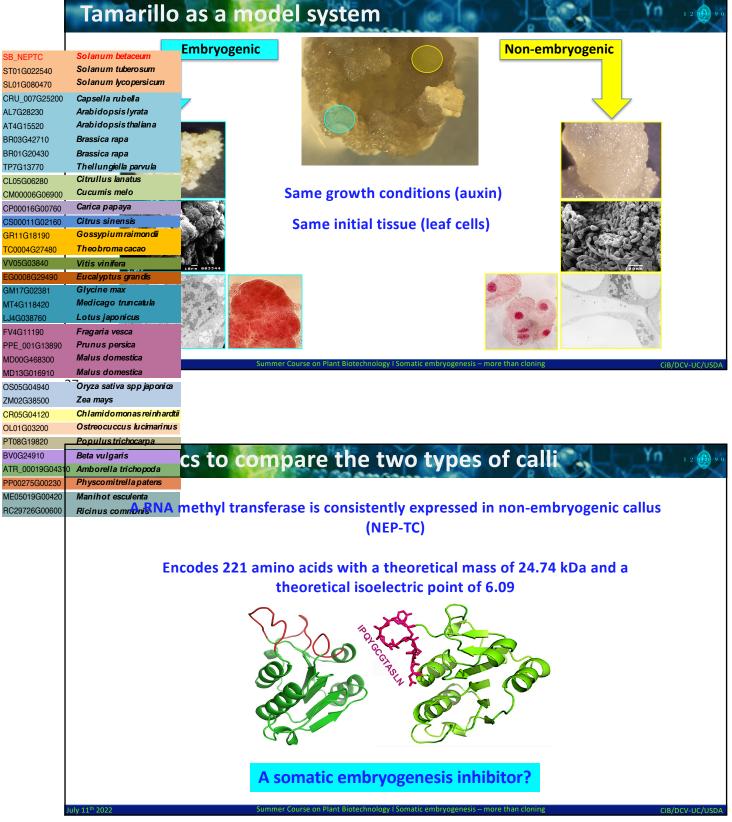


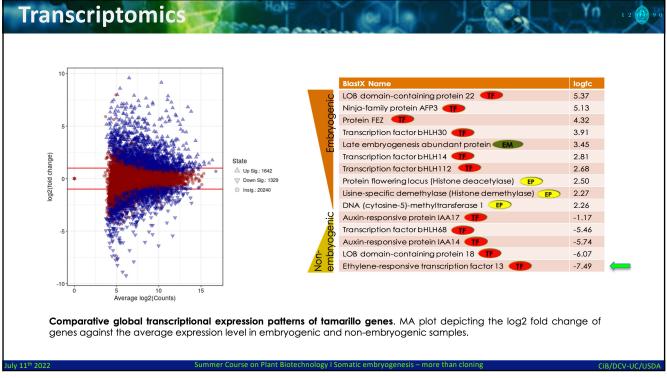


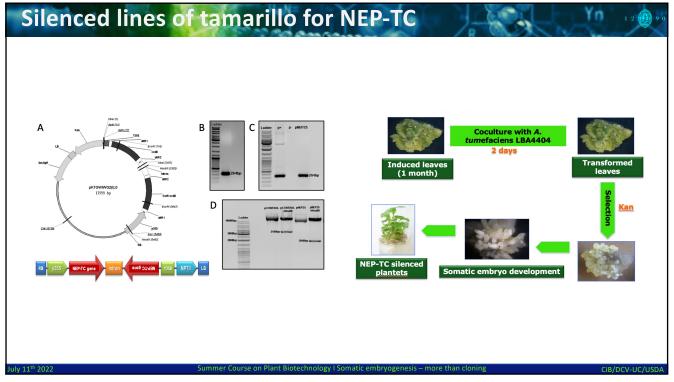












Some silenced lines show na increase on SE induction

