

**CHESTNUT CHAT SERIES:**  
**CHAT 18: CLONING AND EMBRYOGENICS**  
**DATE: FRIDAY, NOVEMBER 13, 2020**

<b>ORIGINATOR</b>	<b>QUESTION / COMMENT</b>
Lisa Thomson:	Deb you have your hand up....do you need anything?
Meg Allen:	visuals are perfect :)
Anita Klein:	How susceptible is chestnut propagation to somaclonal variation
Sara Fitzsimmons:	Hi Anita -- just so I don't lose your question, can you put that in the Q&A panel?
Meg Allen:	witches brooms
Lisa Thomson:	Thanks for the long, loyal membership, Scott! 30 years, wow!
Sara Fitzsimmons:	Excellent!
Robbie Shaw:	Incredible !!!!!
Meg Allen:	no not at all
Glória Pinto:	I hope my student from the lecture "Plant Biotechnology" from the department of Biology of Aveiro/PORTUGAL are participating. EXCELLENT CLASS!
Scott:	What is the OXO gene?
Sara Fitzsimmons:	Oxalic Oxidase - it's a gene from wheat which is being used to confer blight-resistance to American chestnut.
Lisa Thomson:	OxO is a commonly found gene in the environment and considered a safe, stable gene to detoxify the oxalic acid that the blight fungus exudes when attacking the tree. Basically allows the fungus and the tree to "coexist" and lowers the lethal infection of the fungus.
Scott:	Ah thank you, that is fascinating.
Meg Allen:	Your tenacity is SO impressive
Meg Allen:	tumors?
Glória Pinto:	;)
Glória Pinto:	It works quite well with cork oak
Meg Allen:	THANK YOU for the amazing presentation!!!
Meg Allen:	autofluorescence issues...
Anita Klein:	thanks for a very informative presentation!
Bernie Coyle:	Are you using this methodology to preserve germplasm of other declining species like ashes? Any other trees species?

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Meg Allen:	Ew. Just ew.
Meg Allen:	Is that because of eab?
Meg Allen:	good on you!!!!
Tiago Laranjo:	I just want to thank my teacher Glória P, university of Aveiro (Portugal), for informing me and my colleagues about this chestnut chat. I'm more excited about plant biotechnology. I really liked this presentation.
Meg Allen:	implying a competitive exclusion strategy?
Glória Pinto:	Amazing! I'm an old FAN
Meg Allen:	easy to consider, hard to do
Burak Akyüz:	Thank you so much!
Scott Merkle:	Thanks for all the kind comments and for hanging in there.
Glória Pinto:	Can you email me about this or others initiatives in future? gpinto@ua.pt
Scott:	Thank you for all your hard work to restore the Native Eastern Turtle Island Forest :)
boyd:	Gloria Pinto - would like to talk to you about Portugal! paducah1980@yahoo.com