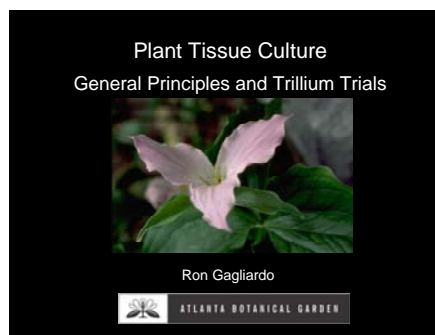


Trial and Error with *Trillium* Micropropagation at the Atlanta Botanical Garden

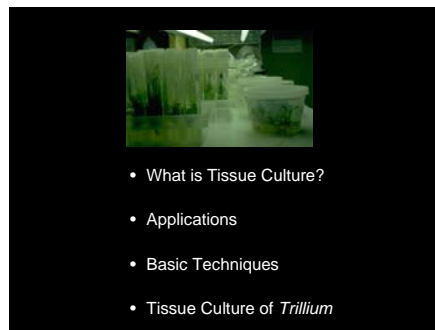
By
Ron Gagliardo

The Atlanta Botanical Garden has been working to find new ways to propagate native plants such as trilliums in their plant tissue culture lab. Ron began informal experiments with nearly a dozen *Trillium* species in 2001 and after several years of laboratory trial and with the hard work of several volunteers, is growing many in vitro propagated plants in the nursery. He will present a synopsis of their work in successful multiplication, rooting and soil acclimation.

Slide 1



Slide 2



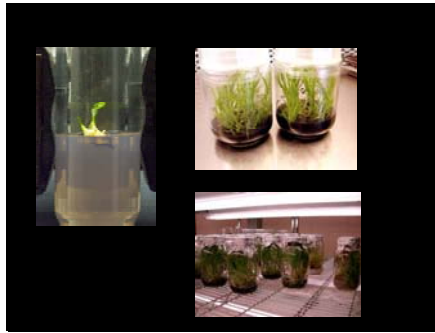
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Slide 6

Applications of Plant Tissue Culture

Slide 7

Applications of Plant Tissue Culture

Horticulture

Slide 8

Applications of Plant Tissue Culture

Horticulture

Conservation

Slide 9



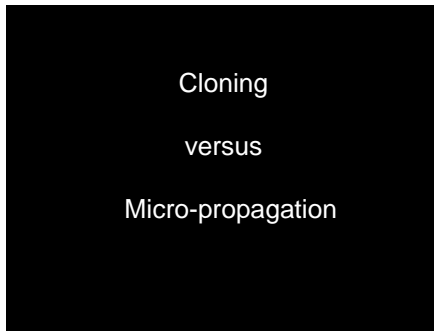
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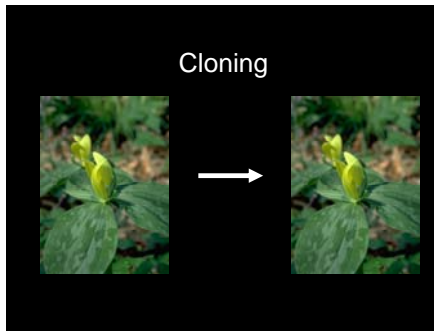
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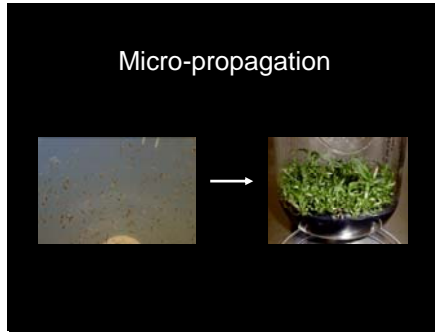
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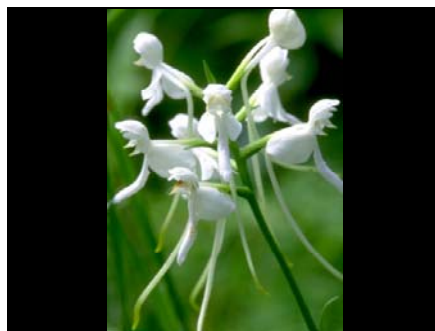
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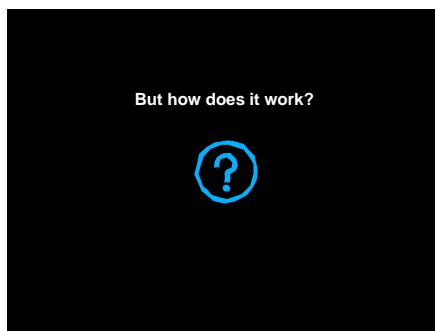
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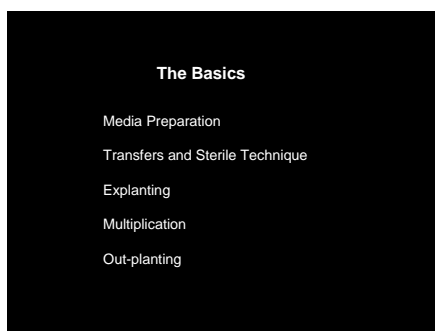
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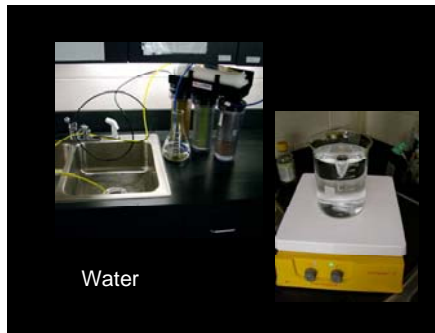
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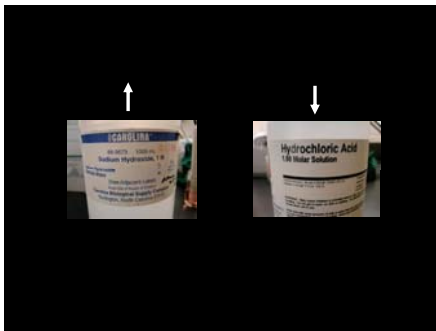
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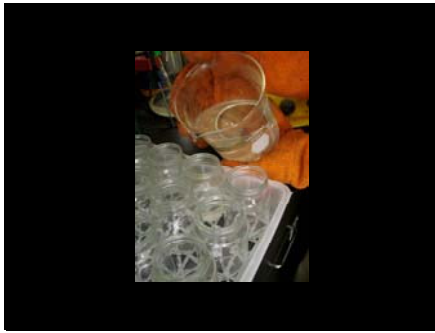
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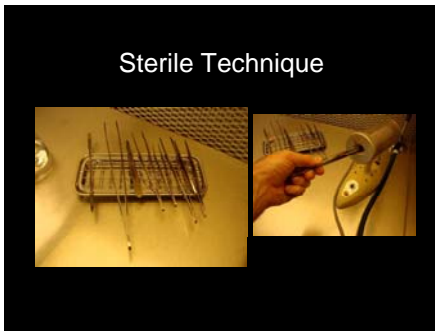
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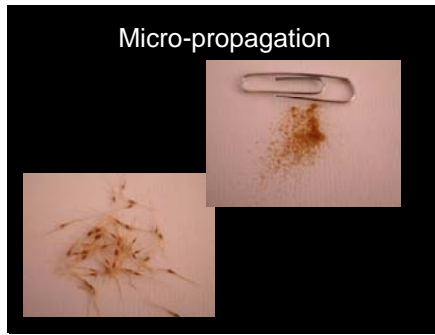
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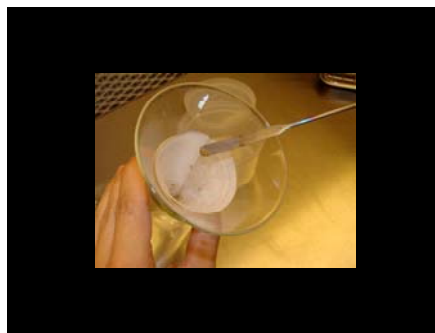
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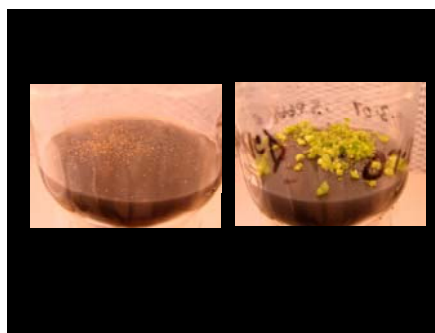
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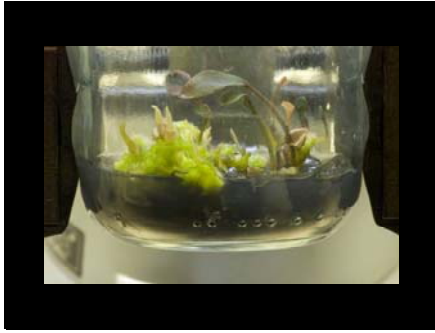
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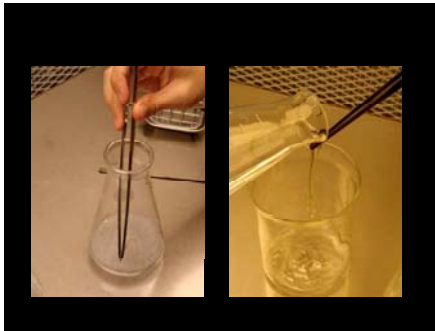
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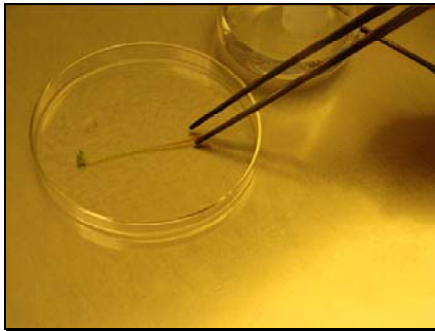
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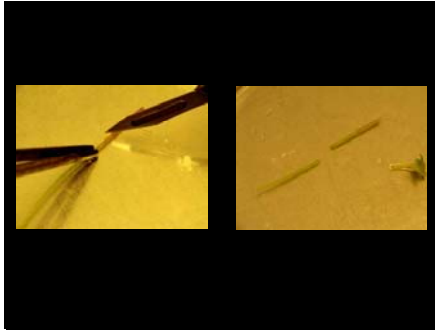
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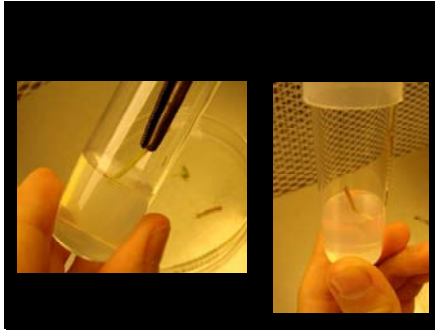
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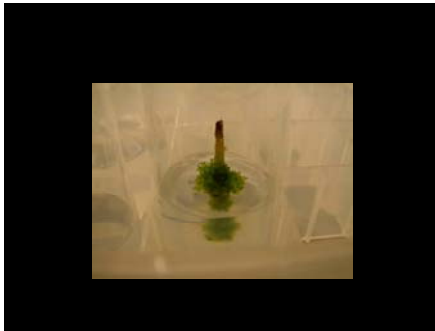
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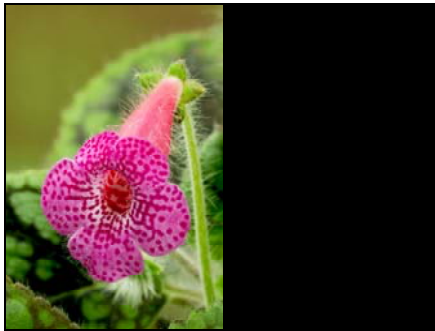
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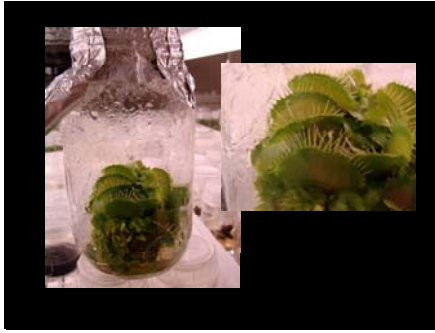
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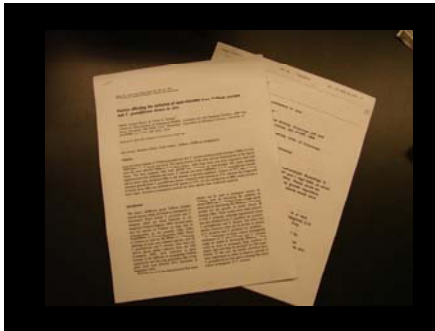
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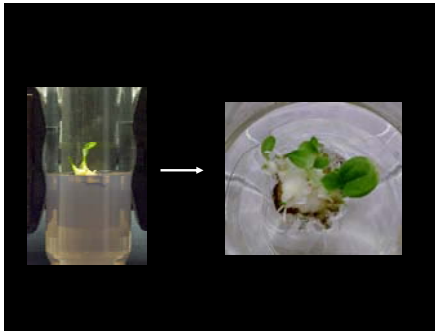
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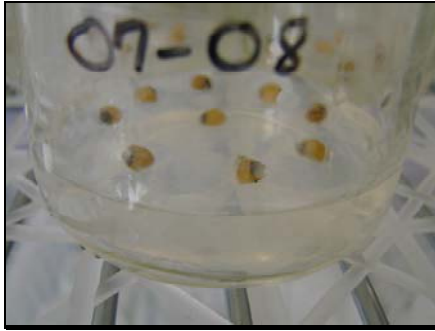
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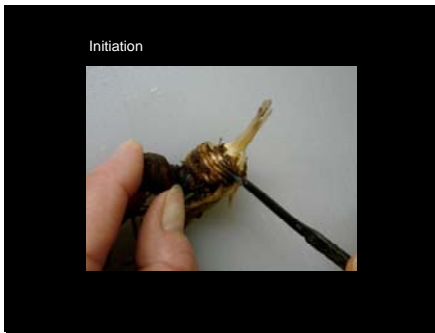
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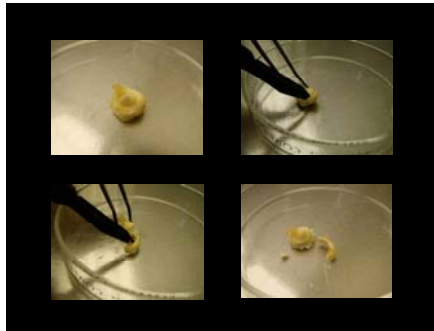
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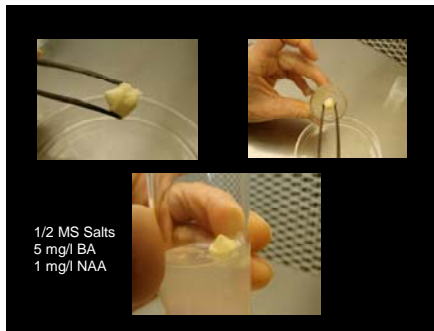
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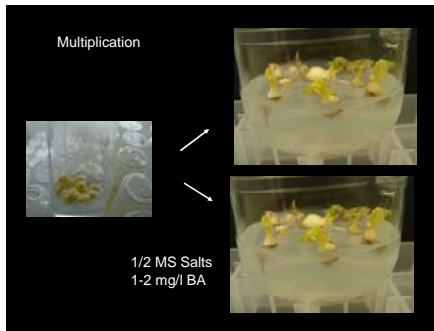
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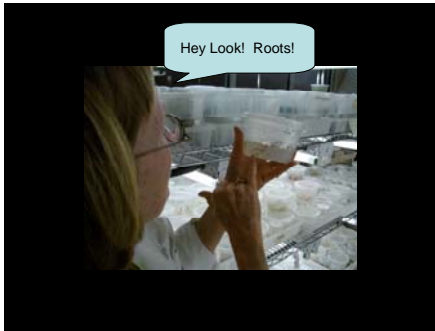
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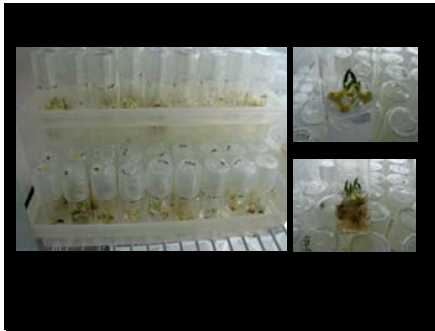
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Take home message

- Tissue culture is a propagation tool, Trilliums included!
- Cloning results in genetically identical copies
- Micro-propagation via seed sowing techniques offer the highest genetic diversity
- Horticulture and Conservation *can* operate together to protect rare species
- There is still *much* to learn!

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Thank You!

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