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**Estudo de Processos Moleculares Associados à
Embriogénese Somática em *Cyphomandra betacea***

Dissertação apresentada à Faculdade de Ciências e Tecnologia da
Universidade de Coimbra para obtenção do grau de Mestre em Biologia Celular



**Universidade de Coimbra
2000**

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IV. Conclusões e perspectivas futuras

Os resultados obtidos no decurso deste trabalho permitem-nos realçar os seguintes aspectos:

- Foram encontradas evidências que implicam o transporte polar de auxinas na regulação da morfogénese dos embriões somáticos de tamarilho, em particular no que diz respeito à definição de um eixo de alongamento e na formação dos cotilédones.
- Os inibidores do transporte auxínico não têm efeito aparente na calogénese induzida por NAA ou 2,4-D.
- A embriogénese somática, em culturas contendo NAA, é inibida na presença de TIBA, possivelmente devido à acumulação de NAA intracelular.
- Ensaio com inibidores do transporte auxínico em culturas de embriões somáticos em estádios específicos de desenvolvimento, associados a estudos histológicos, poderão ajudar a definir com clareza o papel do transporte polar na embriogénese.
- Ensaio com protoplastos de tamarilho poderão ajudar a conhecer as cinéticas e acumulação de auxinas naturais e sintéticas em culturas celulares.
- A técnica de RAPD não permitiu detectar nenhuma variação no espólio genético das plantas regeneradas por embriogénese somática.
- A cultura prolongada de calos embriogénicos de tamarilho leva ao aparecimento de plantas com um número de cromossomas anómalo, vulgarmente superior ao normal.

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