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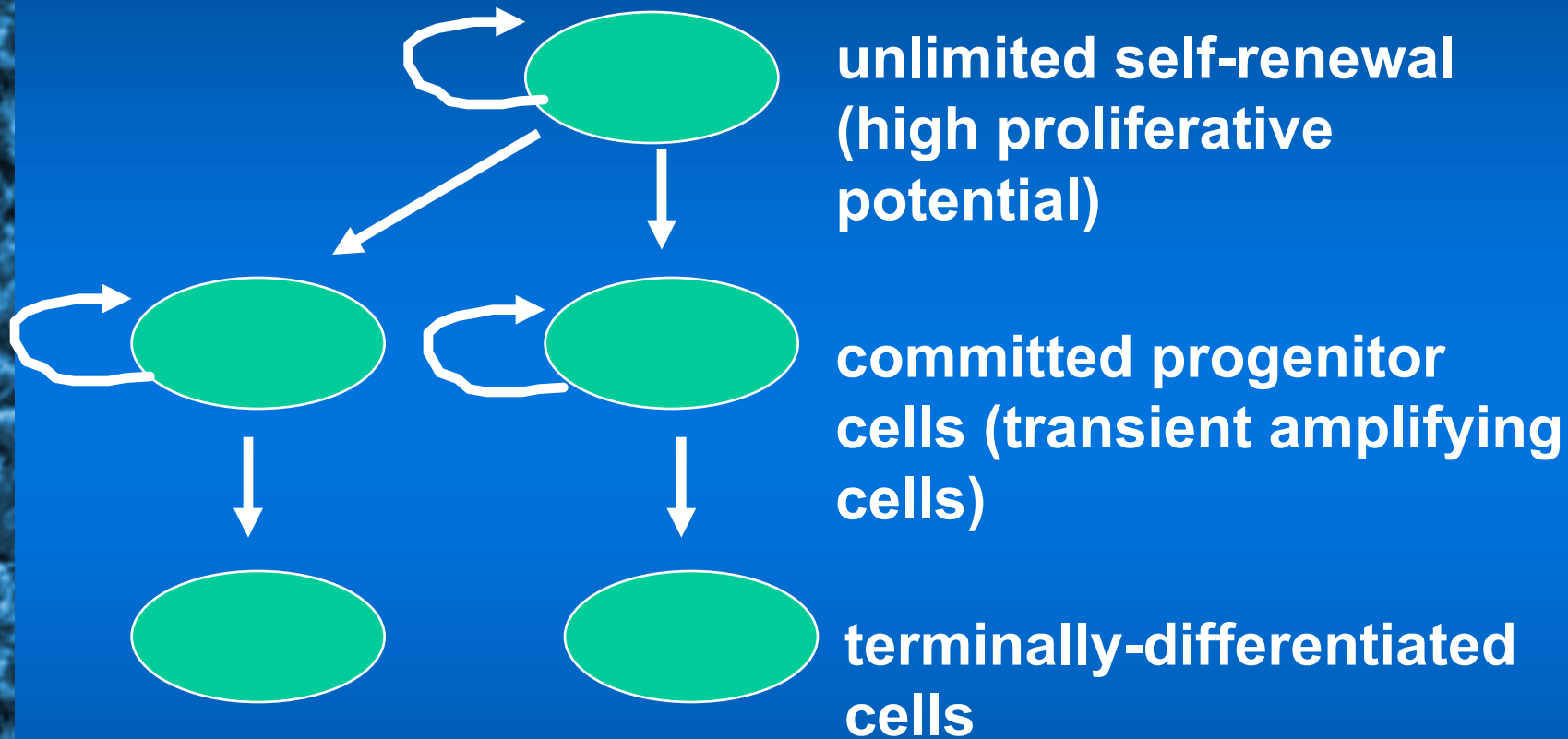
Wool

Stem Cells

Produced for the CRC for Premium Quality Wool undergraduate program by;
Prof. Phil Hynd, The University of Adelaide.



What are stem cells?



stem cells are vital to the maintenance of tissues

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Characteristics of stem cells

- primitive (large nucleus, undifferentiated, no specific markers?)
- high proliferative potential
- slow-cycling, label-retaining
- found in well-vascularised, protected regions
- respond to stimuli such as wounding, tumour agents etc.
- contain some markers (K19, β -integrin, bcl-2)

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