CRC for Premium Quality Wool

In situ hybridisation

Produced for the CRC for Premium Quality Wool undergraduate program by;
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In situ hybridisation

- **Purpose:**
  - to identify where DNA or RNA is located in tissue sections
- **Method:**
  - Create a probe that is complimentary to the strand you are interested in
    - e.g. use RT-PCR
  - Label the probe with a fluorescent or radioactive compound
  - You can then see where the DNA or RNA is located

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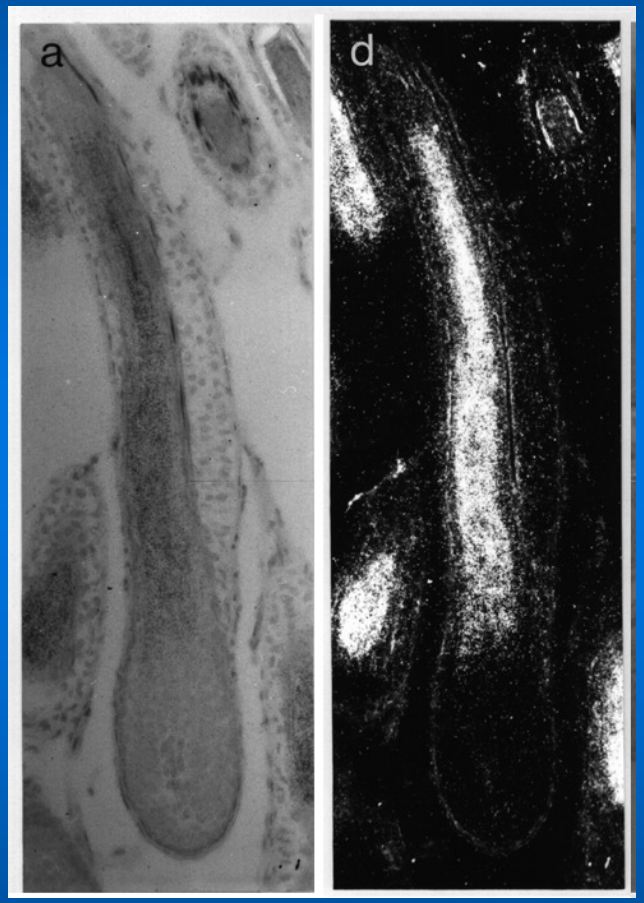
Gene Expression in Follicle Visualised With *in Situ* Hybridisation

Hybridised follicle under normal light microscope.



Hybridised follicle under a dark field view when the RNA is hybridised to a radio-labelled K2.10 probe.

(Hybridisation areas are the white regions.)

Janelle Hocking Edward
Source: Bawden *et al*. (1998)

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