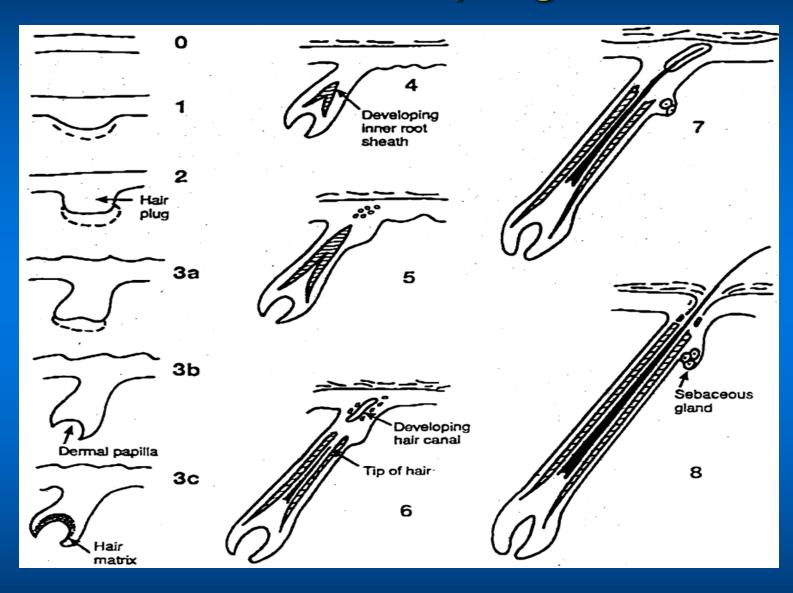


Formation of Appendages

Produced for the CRC for Premium Quality Wool undergraduate program by; **Dr. Graham Cam, CSIRO Animal Production.**



Mouse Hair Morphogenesis



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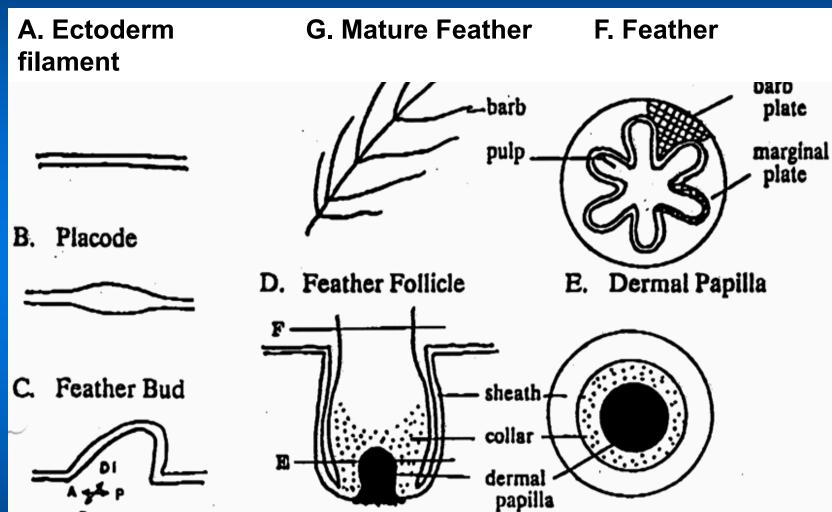
Quality

Wool



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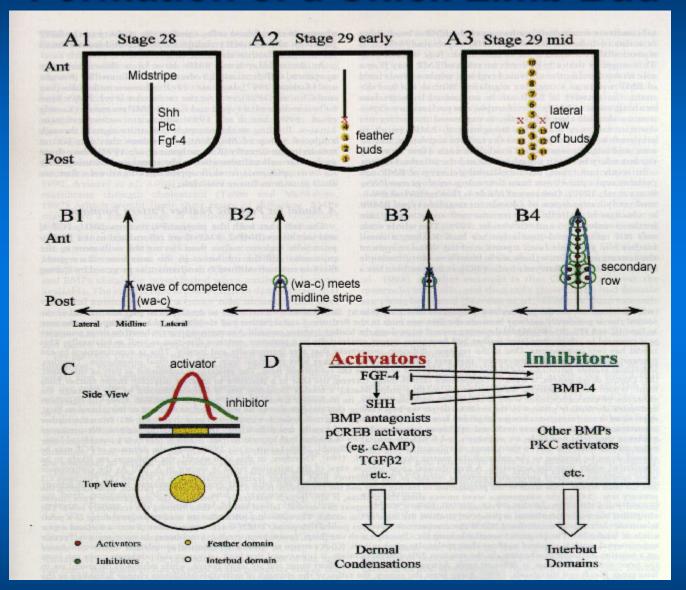
Feather Morphogenesis



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Formation of a Chick Limb Bud





CRC

for

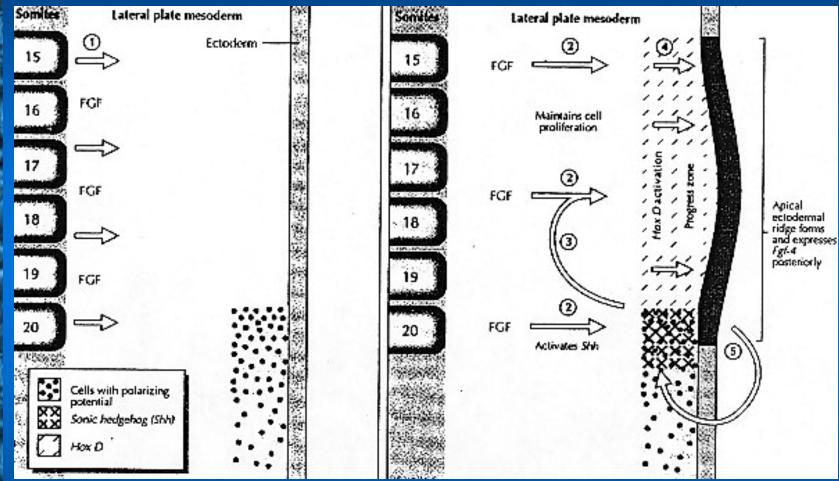
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Formation of a Chick Limb Bud





Exercises

- Given that the growth factor FGF-2 is capable of inducing wool follicle initiation, would you target primary or secondary follicle initiation as a means for decreasing fibre diameter?
- Given the information on limb bud development and the Table of molecules implicated in follicle regulation, what group of molecules might best be applied to increasing the number of secondary derived follicles?
- From the information on formation of a limb bud, can you construct a working molecular model to explain wool follicle initiation and development and how would you test this model?