CRC

Premium

for

Quality

Wool

## Chemical Signalling - receptors

Produced for the CRC for Premium Quality Wool undergraduate program by; Dr. Janelle Hocking Edwards , The University of Western Australia.

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## **Cell surface receptors**

receptor

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small hydrophobic signalling molecule

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**carrier protein** (Cortisol, T4, Steroids IGF's, GH)

hydrophilic

signalling molecule

receptor

### **Intracellular Receptors**

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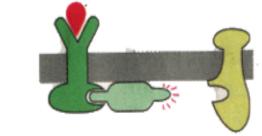
Premium

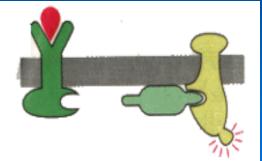
Quality

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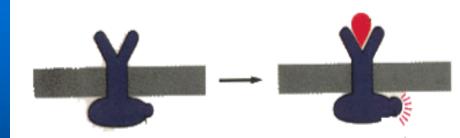
# **Hydrophilic hormone receptors**







#### **G-protein linked receptor**



#### enzyme-linked receptor

Janelle Hocking Edwards Source: Alberts, et al (1994)

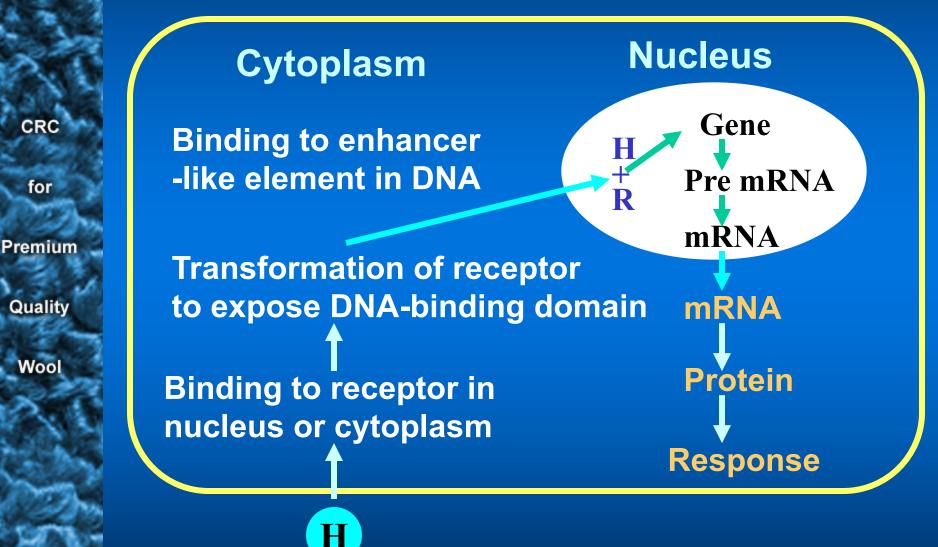
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# Hydrophobic hormone receptors



Janelle Hocking Edwards Source: Wynn, P. (1997)

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