

**ERRATUM**  
**Signal Transducers and Activators of Transcription**  
**(STATs)**  
**Activation and Biology**

**Edited by**  
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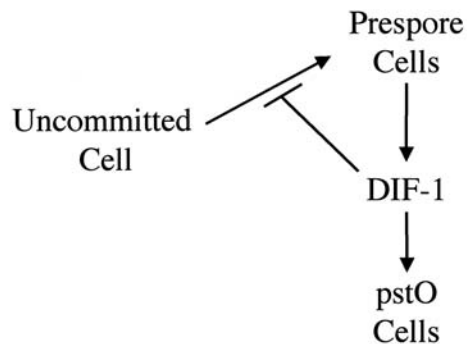
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Editorial Update: Several illustrations in this book depict that respective non-phosphorylated STAT species in the cytoplasm are largely in the form of free monomers. This may be misleading in that several investigators at a recent Keystone Symposium (“Jaks and Stats: Development to Disease”, April 15-20, 2004, Whistler, B.C., Canada) pointed out that the cytoplasmic pool of various non-phosphorylated STAT species appear to be largely in the form of STAT dimers, and include higher-order oligomers.

The affiliation for Pravin B. Sehgal should read:  
*New York Medical College, U.S.A.*

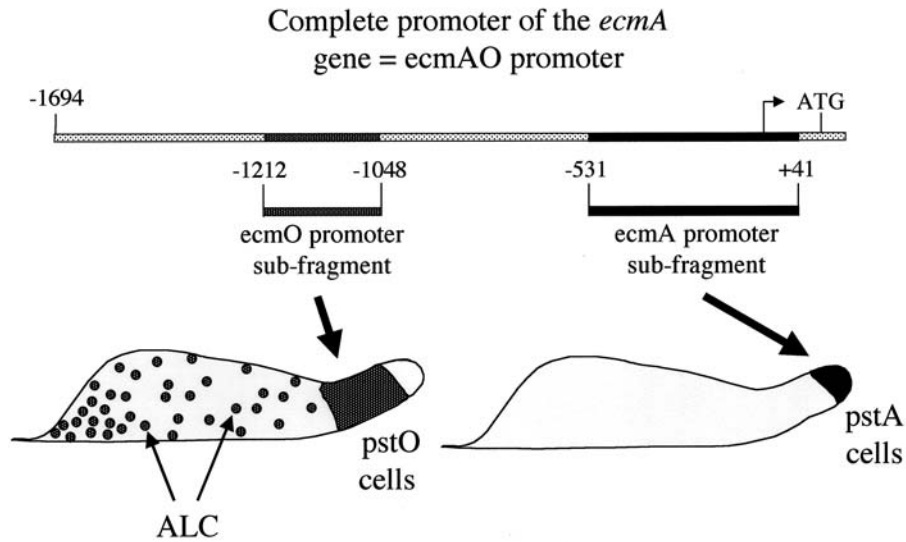
On page 114, “*Dictyostelium* G $\alpha$  subunit” should read “*Dictyostelium* G $\beta$  subunit”  
On page 475, “IL-1R $\alpha$ ” should read “IL-1R $\beta$ ”

Attached below are correct figures for page 108, figure 2B; page 109, figure 3; page 110, figure 4; page 115, figure 7; page 186, figure 2; and, page 279, figure 4.



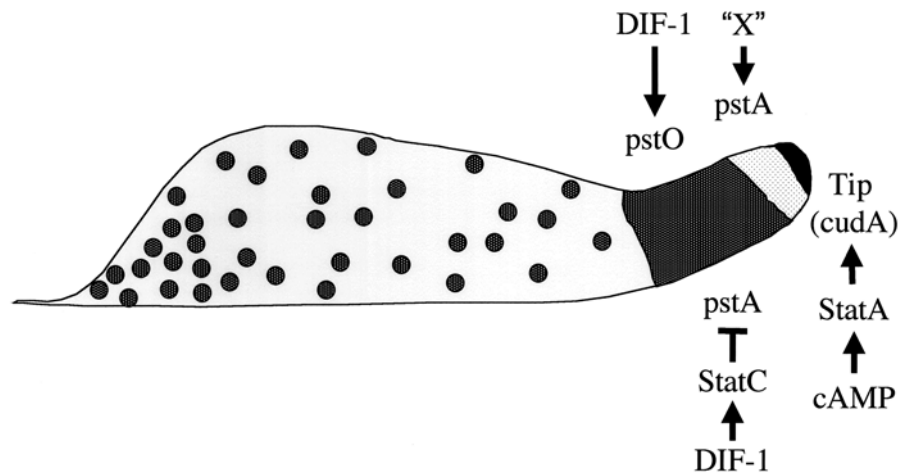
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*Figure 2B.* DIF-1 and the regulation of cell type proportioning. DIF-1 is thought to be selectively produced by the prespore cells and it has two principal functions; it induces pstO differentiation and represses prespore differentiation. These facts suggest this elegant control mechanism, whereby the final relative proportions of pstO and prespore cells in the slug are set (see text for further details).



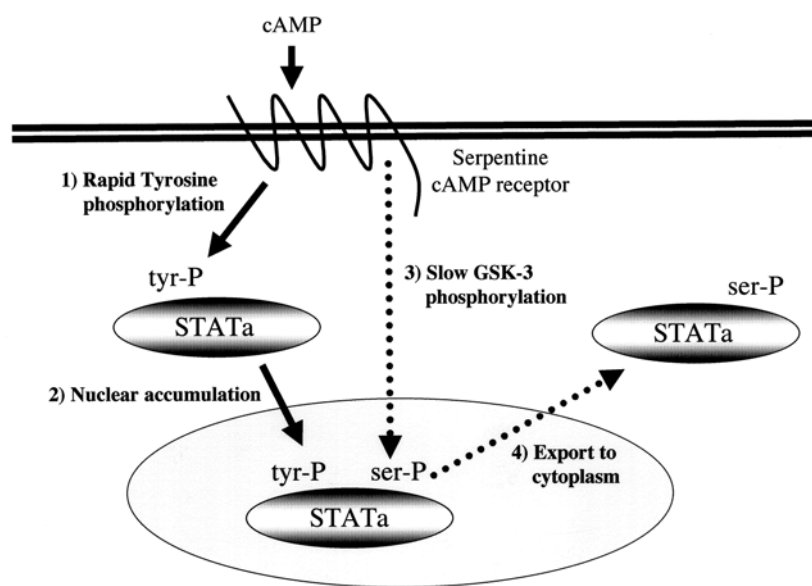
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*Figure 3.* The *ecmAO* promoter is modular. One region of the *ecmAO* promoter directs expression in *pstO* cells and the ALC while another region directs expression in *pstA* cells.



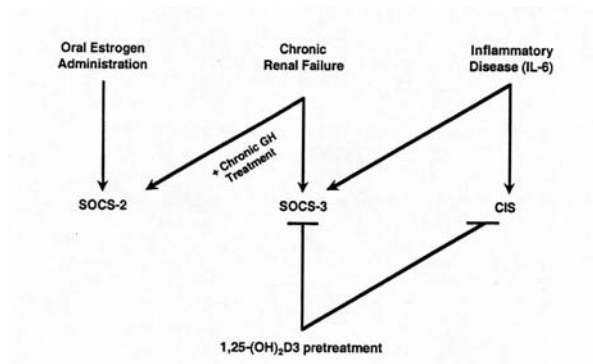
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*Figure 4.* The regulation of prestalk cell differentiation. DIF-1 induces *pstO* differentiation via an unknown activatory pathway. Acting via Dd-STATc, DIF-1 simultaneously represses *pstA*-specific gene expression in the *pstO* cells. *PstA* cell differentiation is induced by a hypothetical substance, "X", and a sub-set of *pstA* cells differentiate further to become tip cells. This tip cell differentiation (defined here by expression of the *cudA* gene) is induced by extracellular cAMP signaling and is mediated by Dd-STATa.



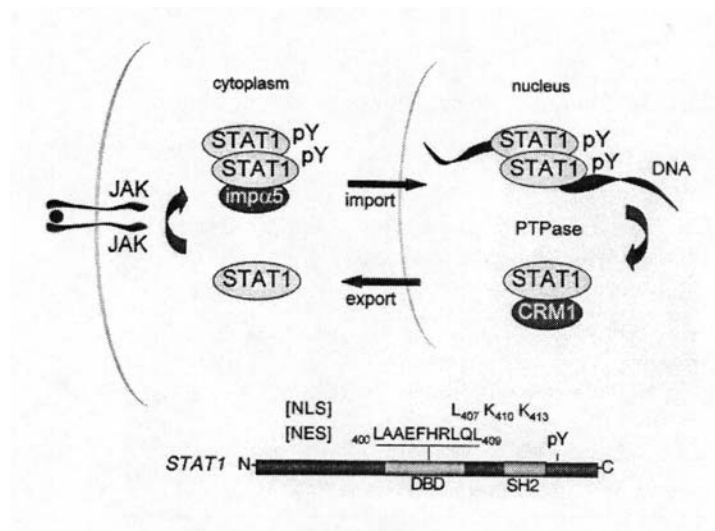
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Figure 7. cAMP-regulates both the nuclear accumulation and import-export of Dd-STATa.



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Figure 2. Induction of SOCS levels in models of GH resistance



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*Figure 4.* Model of STAT1 regulated nuclear import and export. (bottom) Linear depiction of NES and NLS functional residues within the DNA binding domain (DBD).

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