Heterotrimeric G-protein alpha-subunit adopts a "preactivated" conformation when associated with betagamma-subunits.

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**Abstract**: Activation of a heterotrimeric G-protein by an agonist-stimulated G-protein-coupled receptor requires the propagation of signal across signal-transducing regions of G(alpha) ("preactivation") that may facilitate the interaction with R(*) and subsequent GDP/GTP exchange.

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