

“Pair up in Threes”

Functional Design Strategies for Metal Assembled Modular Proteins

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A brief overview is given of protein design based on modular subunits which self assemble under the direction of an external metal ion. These proteins can be created with cavities which recognize and bind substrates. Strategies for substrate activation are outlined, to produce catalytic functional transformation of substrates..

Ref. Case MA, McLendon GL; Accounts of Chemical Research (2004) Metal-assembled modular proteins: Toward functional protein design