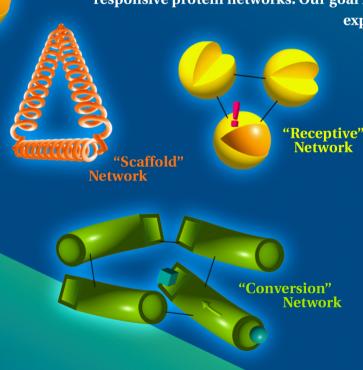
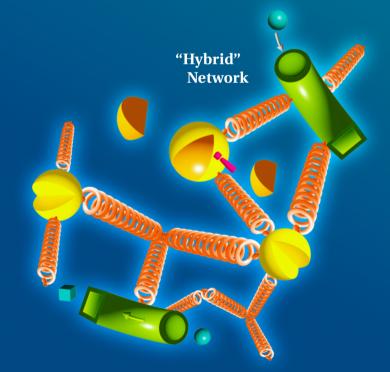
## Building functional biomaterials with protein building blocks Matt D. G. Hughes, Lorna Dougan. Entry #P015

Globular folded proteins are powerful nanoscale building blocks for creating biomaterials. A major challenge is to understand how the properties of an individual protein translate to the collective response of a mesoscale protein network.

Through a choice of functional protein and manipulation of protein unfolding and entanglement we create a powerful to route to control the mesoscale architecture, mechanics, and dynamics of responsive protein networks. Our goal is to create smart biomaterials for applications which exploit tailored mechanical and biological functionality.







Receptor Protein