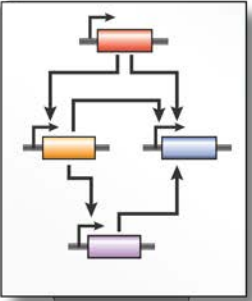


Disease State

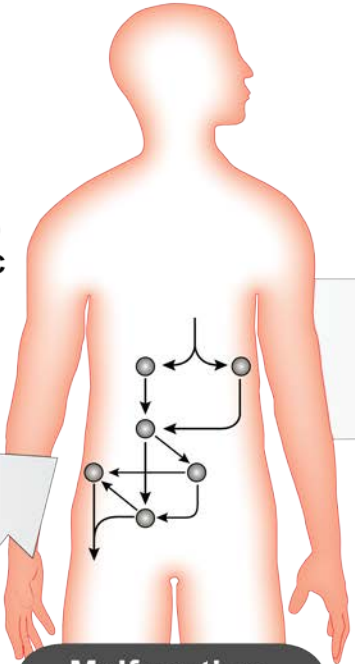
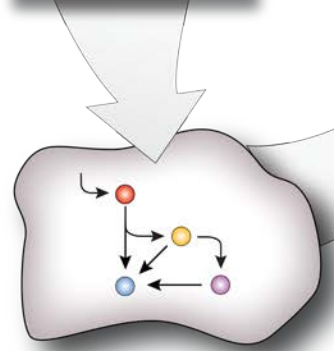
Healthy State

**Warren C. Ruder
Virginia Tech**

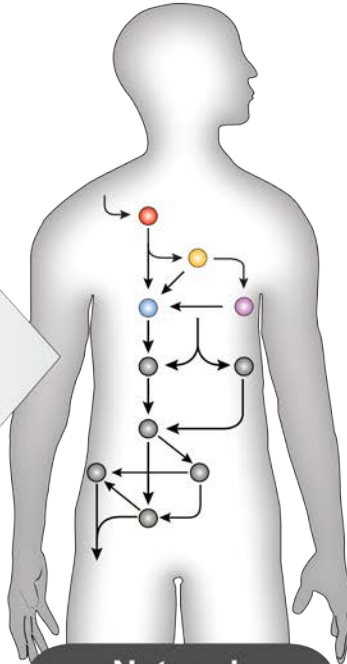
Synthetic Circuit



**Introduce
circuit into
therapeutic
target**



**Malfunction
in native
network**



**Network
rewiring restores
normal function**

