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Computationally designed, 120-subunit icosahedral protein nanoparticles (yellow, dimers; blue, trimers; green, pentamers).

Combinations of these shapes result in a kaleidoscopic array of self-assembling protein complexes, each of which rivals the size of a small viral capsid. Protein assemblies like these could form the basis for a new generation of biomolecular machines with structures and functions that are customizable for particular applications. See pages 338 and 389.

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