

Abstract Submitted  
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**Multiblock Janus particles with tunable patch size** JIE ZHANG, QIAN CHEN, SUNG CHUL BAE, STEVE GRANICK, University of Illinois at Urbana-Champaign — Micro-printing methods are used to systematically tune the size, position and number of functionalized patches on colloidal particles with excellent monodispersity. This study introduces two new members of the Janus particle family: triblock particles with two small poles, and eyeball Janus particles. Without the intervention of any external field, the former form chain, ring, coil and knot structures. In principle, dynamic and reconfigurable colloidal bilayers can be built from eyeball Janus particles.

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