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Host-Guest Chemistry

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Message from the Guest Editor

Dear Colleagues,

In life, noncovalent complexation precludes the formation of covalent bonds and is a crucial step in signaling events. Chemists have spent many years constructing covalently linked hosts to replicate the noncovalent complexes observed in nature. The first generation of hosts formed strong noncovalent bonds with a guest through rigid pockets that matched a guest's size. Although able to form tight complexes with some selectivity, these hosts did not achieve the very large association constants observed in nature and lacked function. The scope of this Special Issue highlights the newest approaches in constructing hosts to maximize guest association and perform function through dynamic motion.

Dr. David B. Smithrud
Guest Editor



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Message from the Editor-in-Chief

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