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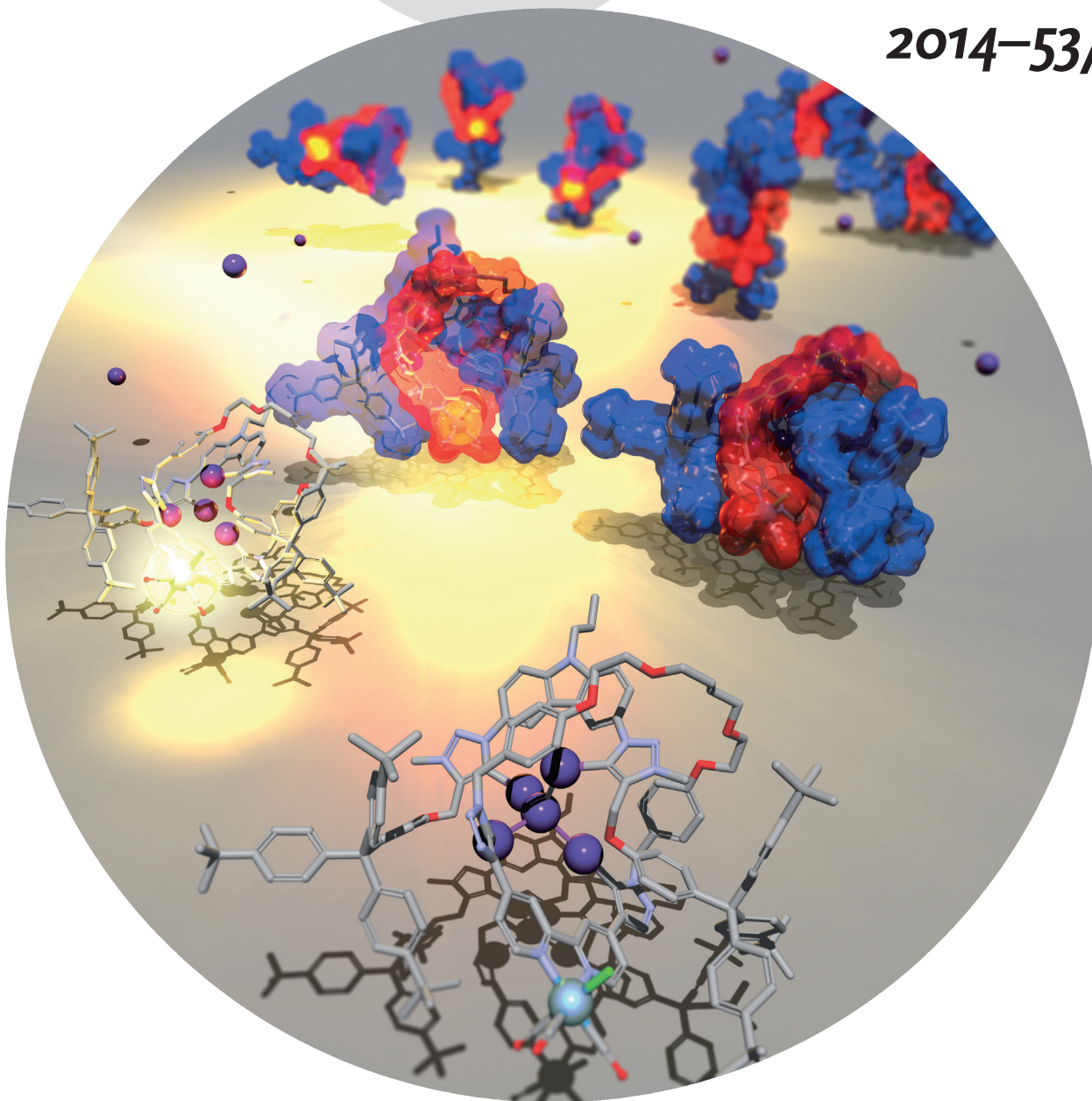
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Combining halogen bonding ...

... with an optical probe in an interlocked host design leads to a potent anion sensory system. As P. D. Beer et al. show in their Communication on page 11458 ff, an all-halogen-bonding rotaxane host with a photoactive rhenium(I) bipyridyl center in the macrocyclic component can optically sense halide anions by luminescence, with a high binding affinity and selectivity for iodide ions. Image: Dr. Karl Harrison.

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