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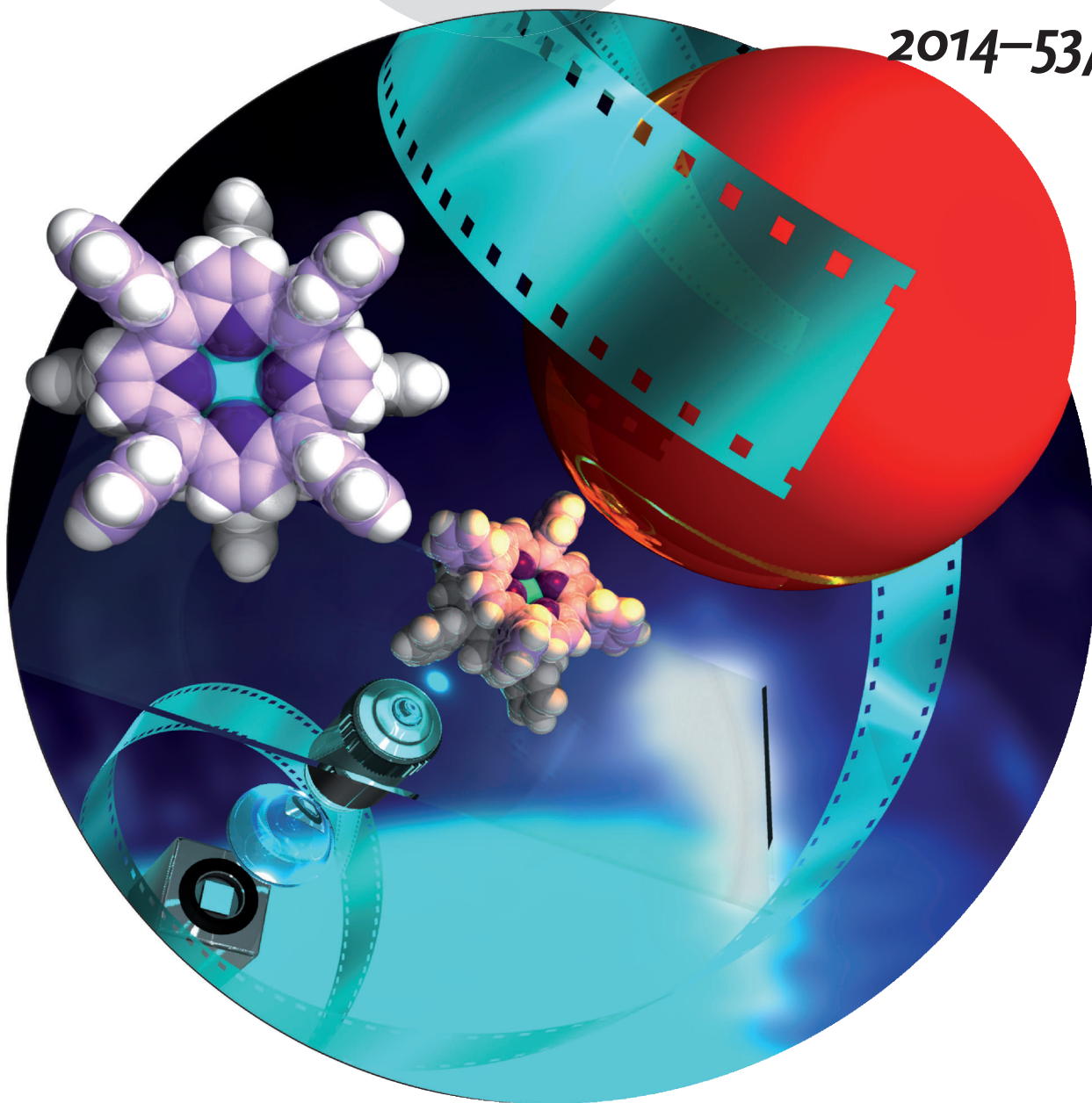
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Single-molecule motion capture ...

... and the manipulation of a synthetic molecular rotor are described by H. Noji et al. in their Communication on page 10082 ff. The stepwise intramolecular rotation of a double-decker porphyrin, a known 1 nm molecular rotor, was directly visualized with a relatively large bead probe (ca. 200 nm) by optical microscopy. With this technique, elemental properties of synthetic molecular machines that cannot be resolved by ensemble measurements can be elucidated.

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