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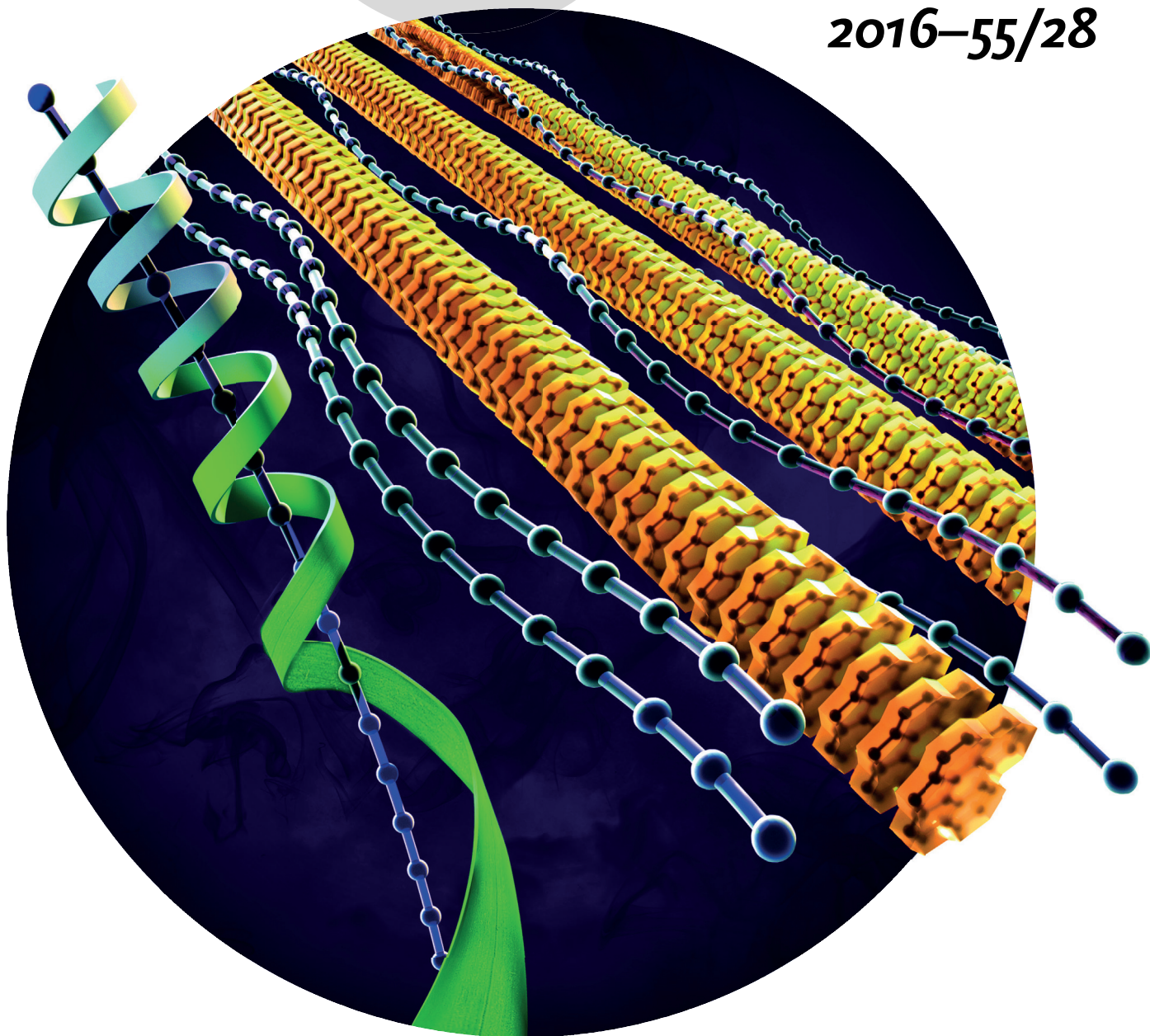
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Pyroloperylene molecules ...

... form stacks that are interspersed by infinite chains of iodine. In their Communication on page 8032 ff., R. Seshadri, F. Wudl et al. report the first solved crystal structure showing infinite iodine chains. Raman spectra of the iodine portion of the structure resemble spectra measured on the well-known starch–iodine complex, indicated schematically in the foreground, and suggest a potential resolution of the two-hundred-year mystery of the starch–iodine complex.

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