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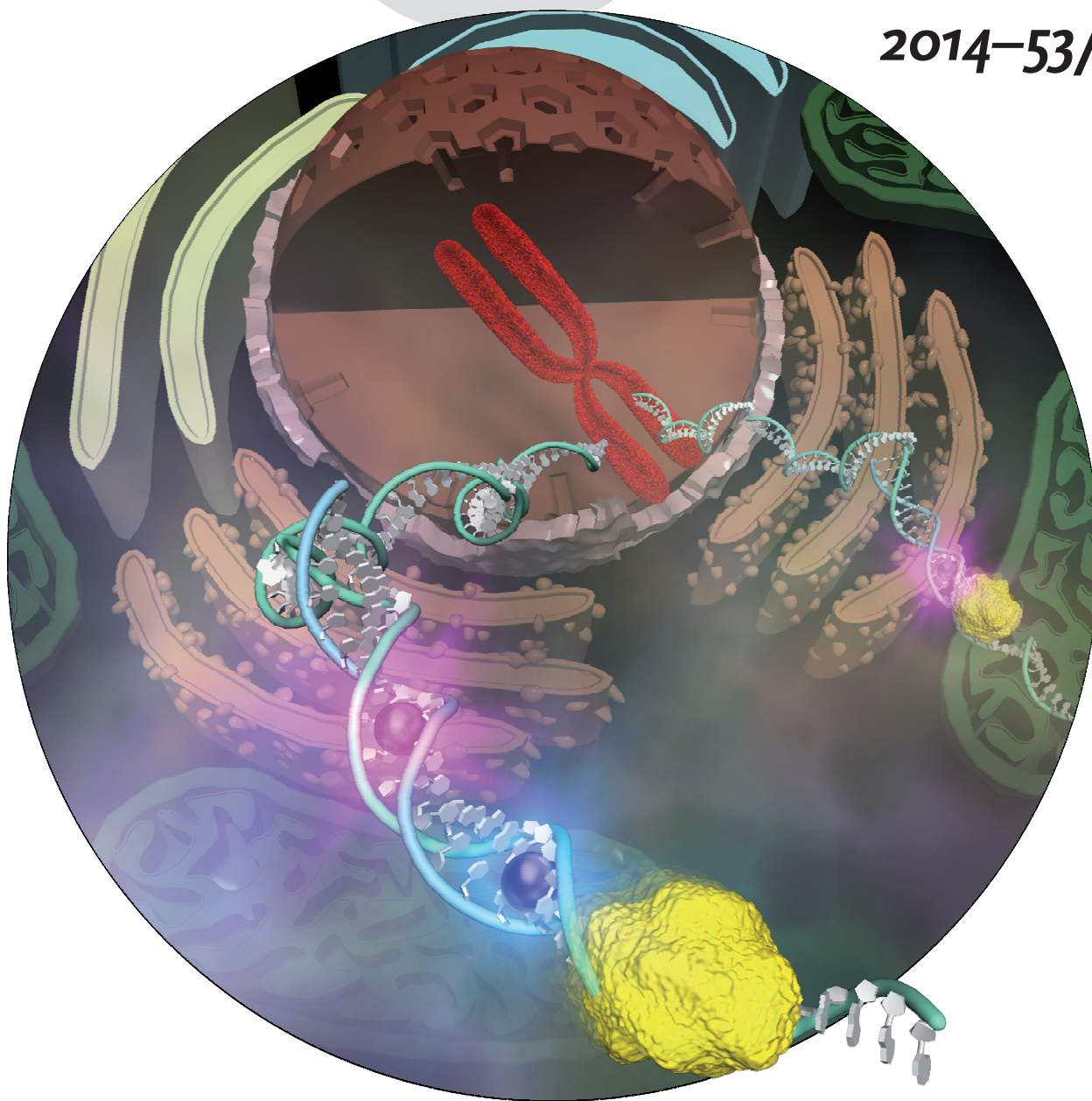
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Hg^{II} and Ag^I ions ...

... were found to specifically trigger DNA polymerase catalyzed primer extension in the absence of a Watson–Crick matched nucleotide through the formation of the T–Hg^{II}–T and newly discovered C–Ag^I–T base pairs. In their Communication on page 6624 ff., H. Urata and co-workers show that the strict base recognition of these metal ions enables the regulated incorporation of the two different metal ions into programmed sites in the DNA duplex.

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