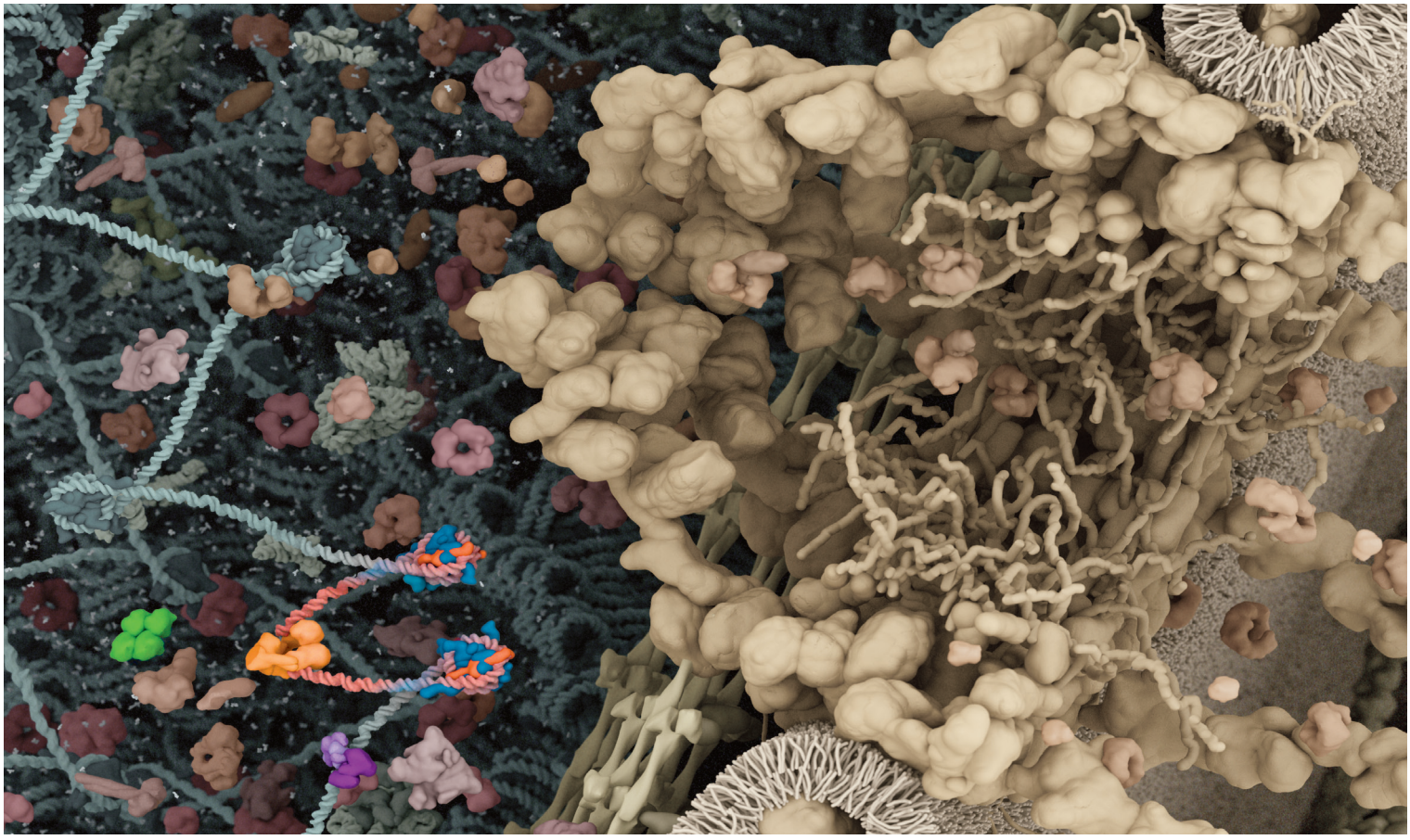

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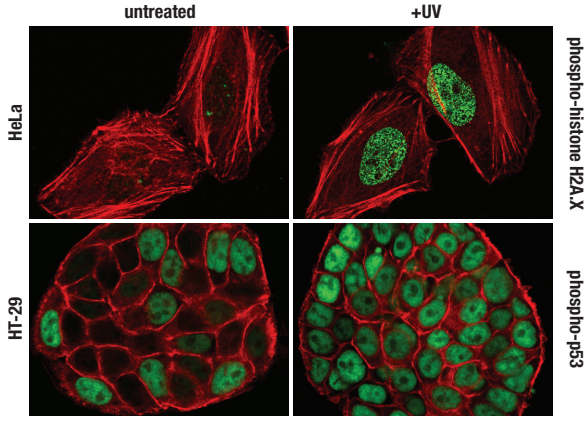

Confocal IF analysis of HeLa (upper) and HT-29 cells (lower), untreated (left) or UV-treated (right), using ***Phospho-Histone H2A.X (Ser139) (20E3) Rabbit mAb #9718*** *(green, upper) or* ***Phospho-p53 (Ser15) (16G8) Mouse mAb #9286*** *(green, lower). Actin filaments were labeled with DY-554 phalloidin (red).*

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TOP IMAGE: To the right, the nuclear pore complex is located in the nuclear double bilayer. To the left, nuclear proteins are interspersed between DNA and nucleosomes in various levels of compactness. Red = histone H2A.X; blue = histones H2B, H3, H4; green = p53 (with nearby ATM below); purple = Rb (with a nearby E2F dimer on the right); orange = damage/repair MRN complex, loaded onto a DNA double strand break. **Please visit www.cellsignal.com for the complete story.**

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