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1. A Liquid-to-Solid Phase Transition of the ALS Protein FUS Accelerated by Disease Mutation

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2. Genome-wide and high-density CRISPR-Cas9 screens identify point mutations in PARP1 causing PARP inhibitor resistance

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3. PARP1-DNA co-condensation drives DNA repair site assembly to prevent disjunction of broken DNA ends

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5. Uncoupling of unwinding from DNA synthesis implies regulation of MCM helicase by Tof1/Mrc1/Csm3 checkpoint complex

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8. A unified mechanism for PARP inhibitor-induced PARP1 chromatin retention at DNA damage sites in living cells

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9. Coupling bimolecular PARylation biosensors with genetic screens to identify PARylation targets

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17. Deregulated levels of RUVBL1 induce transcription-dependent replication stress

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20. Nanoconfined Chlorine-Substituted Monomethine Cyanine Dye with a Propionamide Function Based on the Thiazole Orange Scaffold-Use of a Fluorogenic Probe for Cell Staining and Nucleic Acid Visualization

Ishkitiev, Nikolay, Maria Micheva, Marina Miteva, Stefaniya Gaydarova, Christo Tzachev, Vesela Lozanova, and Valentin Lozanov, et al.. "Nanoconfined Chlorine-Substituted Monomethine Cyanine Dye with a Propionamide Function Based on the Thiazole Orange Scaffold-Use of a Fluorogenic Probe for Cell Staining and Nucleic Acid Visualization." 2024. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85213222830&doi=10.3390%2fmolecules29246038&partnerID=40&md5=1e0e5c68a41d411053e8704b697b1206

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21. Diffusion of activated ataxia telangiectasia modified explains γH2AX and mediator of DNA damage checkpoint protein 1 spread beyond the DNA damage site

Danovski, Georgi, Greta Panova, Bradley Keister, Georgi Georgiev, Aleksandar Atemin, Sonya Uzunova, and Rumen Stamatov, et al.. "Diffusion of activated ataxia telangiectasia modified explains γH2AX and mediator of DNA damage checkpoint protein 1 spread beyond the DNA damage site." 2024. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207383863&doi=10.1016%2fj.isci.2024.110826&partnerID=40&md5=ce16a2a659342a56be052b3f816dd49b

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22. Bright fluorescent dsDNA probes: Novel polycationic asymmetric monomethine cyanine dyes based on thiazolopyridine-quinolinium chromophore

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