Maffia A, Ranise C, Sabbioneda S**. From R-Loops to G-Quadruplexes: Emerging New Threats for the Replication Fork** (2020)**.** Int J Mol Sci. Feb 22;21(4). pii: E1506. doi: 10.3390/ijms21041506

Belloni E, Di Matteo A, Pradella D, Vacca M, Wyatt CDR, Alfieri R, Maffia A, **Sabbioneda S**, Ghigna C. **Gene Expression Profiles Controlled by the Alternative Splicing Factor Nova2 in Endothelial Cells.** (2019) Cells. Nov 23;8(12). pii: E1498. doi: 10.3390/cells8121498.

Cipolla L, Bertoletti F, Maffia A, Liang CC, Lehmann AR, Cohn MA, Sabbioneda S. **UBR5 interacts with the replication fork and protects DNA replication from DNA polymerase η toxicity**. (2019) Nucleic Acids Res. Oct 5. pii: gkz824. doi: 10.1093/nar/gkz824.

González Besteiro MA, Calzetta NL, Loureiro SM, Habif M, Bétous R, Pillaire MJ, Maffia A, Sabbioneda S, Hoffmann JS, Gottifredi V. **Chk1 loss creates replication barriers that compromise cell survival independently of excess origin firing**. (2019) EMBO J. Aug 15;38(16):e101284. doi: 10.15252/embj.2018101284.

Besio R, Garibaldi N, Leoni L, Cipolla L, Sabbioneda S, Biggiogera M, Mottes M, Aglan M, Otaify GA, Temtamy SA, Rossi A, Forlino A. **Cellular stress due to impairment of collagen prolyl hydroxylation complex is rescued by the chaperone 4-phenylbutyrate**. (2019) Dis Model Mech. Jun 20;12(6). pii: dmm038521. doi: 10.1242/dmm.038521

Besio R, Iula G, Garibaldi N, Cipolla L, Sabbioneda S, Biggiogera M, Marini JC, Rossi A, Forlino A.**4-PBA ameliorates cellular homeostasis in fibroblasts from osteogenesis imperfecta patients by enhancing autophagy and stimulating protein secretion.** (2018) Biochim Biophys Acta Mol Basis Dis. May;1864(5 Pt A):1642-1652.

Bertoletti F, Cea V, Liang CC, Lanati T, Maffia A, Avarello MDM, Cipolla L, Lehmann AR, Cohn MA, Sabbioneda S. **Phosphorylation regulates human polη stability and damage bypass throughout the cell cycle.** (2017) Nucleic Acids Res. Sep 19;45(16):9441-9454. doi: 10.1093/nar/gkx619.

Mentegari E, Crespan E, Bavagnoli L, Kissova M, Bertoletti F, Sabbioneda S, Imhof R, Sturla SJ, Nilforoushan A, Hübscher U, van Loon B, Maga G. **Ribonucleotide incorporation by human DNA polymerase η impacts translesion synthesis and RNase H2 activity.** (2017) Nucleic Acids Res. Mar 17;45(5):2600-2614.

Cipolla L, Maffia A, Bertoletti F, Sabbioneda S. **The Regulation of DNA Damage Tolerance by Ubiquitin and Ubiquitin-Like Modifiers.** (2016) Front Genet. Jun 13;7:105

Kanu N, Zhang T, Burrell RA, Chakraborty A, Cronshaw J, DaCosta C, Grönroos E, Pemberton HN, Anderton E, Gonzalez L, Sabbioneda S, Ulrich HD, Swanton C, Behrens A. **RAD18, WRNIP1 and ATMIN promote ATM signalling in response to replication stress.** (2016) Oncogene. Jul 28;35(30):4020

Harley ME, Murina O, Leitch A, Higgs MR, Bicknell LS, Yigit G, Blackford AN, Zlatanou A, Mackenzie KJ, Reddy K, Halachev M, McGlasson S, Reijns MA, Fluteau A, Martin CA, Sabbioneda S, Elcioglu NH, Altmüller J, Thiele H, Greenhalgh L, Chessa L, Maghnie M, Salim M, Bober MB, Nürnberg P, Jackson SP, Hurles ME, Wollnik B, Stewart GS, Jackson AP. **TRAIP promotes DNA damage**

response during genome replication and is mutated in primordial dwarfism. (2016) Nat Genet. Jan;48(1):36-43.
Zlatanou A, Sabbioneda S, Miller ES, Greenwalt A, Aggathanggelou A, Maurice MM, Lehmann AR, Stankovic T, Reverdy C, Colland F, Vaziri C, Stewart GS. **USP7 is essential for maintaining Rad18 stability and DNA damage tolerance.** (2016) Oncogene. Feb 25;35(8):965-76

Cea V, Cipolla L, Sabbioneda S. **Replication of Structured DNA and its implication in epigenetic stability.** (2015)Front Genet. Jun 16;6:209
Lehmann, AR Sabbioneda, Goehler T; Niimi A, Green CM, Bienko M, Dikic I. **Regulation of translesion synthesis in human cells** (2012) MUTAGENESIS Jan 27(1):106

Göhler T, Sabbioneda S, Green CM, Lehmann AR. **ATR-mediated phosphorylation of DNA polymerase η is needed for efficient recovery from UV damage.** (2011) J Cell Biol. Jan 24;192(2):219-27

Mari PO, Verbiest V, Sabbioneda S, Gourdin AM, Wijgers N, Dinant C, Lehmann AR, Vermeulen W, Giglia-Mari G. **Influence of the live cell DNA marker DRAQ5 on chromatin-associated processes.** (2010) DNA Repair Jul 1; 9(7):848-55.

Bienko M, Green CM, Sabbioneda S, Crosetto N, Matic I, Hibbert RG, Begovic, T, Niimi A, Mann M, Lehmann AR, Dikic I. **Regulation of translesion synthesis DNA polymerase eta by monoubiquitination** (2010) Mol Cell. Feb 12;37(3):396-407.

Sabbioneda S, Green CM, Bienko M, Kannouche P, Dikic I, Lehmann AR.. **Ubiquitin-binding motif of human DNA polymerase eta is required for correct localization.** (2009) Proc Natl Acad Sci U S A. Feb 24;106(8):E20

Niimi A, Brown S, Sabbioneda S, Kannouche PL, Scott A, Yasui A, Green CM, Lehmann AR. **Regulation of proliferating cell nuclear antigen ubiquitination in mammalian cells.** (2008) Proc Natl Acad Sci U S A. Oct 21;105(42):16125-30.

Sabbioneda S, Gourdin AM, Green CM, Zotter A, Giglia-Mari G, Houtsmuller A, Vermeulen W, Lehmann AR. **Effect of proliferating cell nuclear antigen ubiquitination and chromatin structure on the dynamic properties of the Y-family DNA polymerases.** (2008) Mol Biol Cell. Dec;19(12):5193-202.

Lehmann AR, Niimi A, Ogi T, Brown S, Sabbioneda S, Wing JF, Kannouche PL, Green CM. **Translesion syntesis: Y-family polymerases and the polymerase switch.** (2007) DNA Repair Jul 1;6(7):891-9

Simone Sabbioneda, Ileana Bortolomai, Michele Giannattasio, Paolo Plevani, Marco Muzi Falconi. **Yeast Rev1 is cell cycle regulated, phosphorylated in response to DNA damage and its binding to chromosomes is dependent upon *MEC1*. Dna Repair** (2007) Jan 4;6(1):121-7.

Simone Sabbioneda, Brenda Minesinger, Michele Giannattasio, Paolo Plevani, Marco Muzi Falconi, Sue Jinks-Robertson. **The 9-1-1 Checkpoint Clamp Physically Interacts with Polζ and Is Partially Required for Spontaneous Pol□-dependent Mutagenesis in *Saccharomyces cerevisiae.*** (2005) J. Biol. Chem. **280**, 38657-65

Simone Sabbioneda, Lisa di Nola, Federico Lazzaro, Marco Muzi Falconi, Paolo Plevani. **The DNA damage checkpoint response in budding yeast**. (2004) Recents development in nucleic acid research.

Muzi-Falconi M., Sabbioneda S., Plevani P., Foiani M. **Sometimes size does matter.**(2003). Europ. J. Of Cancer, **39**, 1337-1338.

Giannattasio M., Sabbioneda S., Minuzzo M., Plevani P., Muzi-Falconi M. **Correlation between Checkpoint Activation and *in Vivo* Assembly of the Yeast Checkpoint Complex Rad17-Mec3-Ddc1**. (2003). J. Biol. Chem. **278**, 22303-22308.