ELENCO DELLE PUBBLICAZIONI IN EXTENSO

1) L.A. STIVALA, M. SAVIO, O. CAZZALINI, R. PIZZALA, L. REHAK, L. BIANCHI, V. VANNINI, E. PROSPERI
Effect of β−carotene on cell cycle progression of human fibroblasts.
Carcinogenesis, 17: 2395-2401, 1996.

2) F. FOURY, O. CAZZALINI
Deletion of the yeast homologue of the human gene associated with Friedreich's ataxia elicits iron accumulation in mitochondria.
FEBS Letters, 411: 373-377, 1997.

3) H. KOUTNIKOVA, V. CAMPUZANO, F. FOURY, P. DOLLE', O. CAZZALINI, M. KOENIG
Studies of human, mouse and yeast homologues indicate a mitochondrial function for frataxine.
Nature Genetics, 16: 345-351, 1997.

4) A. MASINI, C. SCOTTI, A. CALLIGARO, O. CAZZALINI, L.A. STIVALA, L. BIANCHI, F. GIOVANNINI, D. CECCARELLI, U. MUSCATELLO, A. TOMASI, V. VANNINI
Zidovudine-induced experimental myopathy: dual mechanism of mitochondrial damage.
Journal of the Neurological Sciences, 166:131-140, 1999.

5) L.A. STIVALA, M. SAVIO, S. QUARTA, C. SCOTTI, O. CAZZALINI, L. ROSSI, I.A. SCOVASSI, R. PIZZALA, R. MELLI, L. BIANCHI, V. VANNINI, E. PROSPERI
The antiproliferative effect of β-carotene requires p21 $^{waf1/cip1}$ in normal human fibroblasts.
European Journal of Biochemistry (FEBS Journal), 267: 2290-2296, 2000.

6) L.A. STIVALA, F. RIVA, O. CAZZALINI, M. SAVIO, E. PROSPERI
p21-null human fibroblasts are deficient in nucleotide excision repair downstream the recruitment of PCNA to DNA repair sites.
Oncogene, 20: 563-570, 2001.

7) O. CAZZALINI, M.C. LAZZE', L. IAMELE, L.A. STIVALA, L. BIANCHI, P. VAGHI, A. CORNAGLIA, A. CALLIGARO, D. CURTI, A. ALESSANDRINI, E. PROSPERI, V. VANNINI.

Early effects of AZT on mitochondrial functions in the absence of mitochondrial DNA depletion in rat myotubes.
Biochemical Pharmacology, 62: 893-902, 2001.

8) C. SCOTTI, L. IAMELE A. ALESSANDRINI, V. VANNINI, O. CAZZALINI, M.C. LAZZE', R. MELLI, M. SAVIO, R. PIZZALA, L.A. STIVALA, S. BIGLIERI, A. TOMASI, L. BIANCHI.
Lack of molecular relationships between lipid peroxidation and mithocondrial DNA single strand breaks in isolated rat hepatocytes and mitochondria.
Mitochondrion, 2:361-373, 2003.

9) O. CAZZALINI, P. PERUCCA, F. RIVA, L.A. STIVALA, L. BIANCHI, V. VANNINI, B. DUCOMMUN, E. PROSPERI.
$p21^{CDKN1A}$ does not interfere with loading of PCNA at DNA replication sites, but inhibits subsequent binding of DNA polymerase δ at the G1/S phase transition.
Cell Cycle, 2: 596-603, 2003.

10) F. RIVA, M. SAVIO, O. CAZZALINI, L.A. STIVALA, I.A. SCOVASSI, L.S. COX, B. DUCOMMUN, E. PROSPERI
Distinct pools of proliferating cell nuclear antigen associated to DNA replication sites interact with the p125 subunit of DNA polymerase delta or DNA ligase I.
Exp Cell Res, 293:357-67, 2004.

11) M.C. LAZZE', M. SAVIO, R. PIZZALA, O. CAZZALINI, P. PERUCCA, A.I. SCOVASSI, L.A. STIVALA, E. PROSPERI
Anthocynins induce cell cycle perturbations and apoptosis in different human cell lines. Carcinogenesis, 25:1427-33, 2004.

12) O. CAZZALINI, P. PERUCCA, F. VALSECCHI, L.A. STIVALA, L. BIANCHI, V. VANNINI, E. PROSPERI.
Intracellular localization of the cyclin-dependent kinase inhibitor $p21^{CDKN1A}$-GFP fusion protein during cell cycle arrest.
Histochem Cell Biol., 121:377-81, 2004.

13) M.C. LAZZE', R. PIZZALA, P. PERUCCA, O. CAZZALINI, M. SAVIO, L. FORTI, V. VANNINI, L. BIANCHI.
Anthocyanidins decrease endothelin-1 production and increase endothelial nitric oxide synthase in human endothelial cells.
Mol Nutr Food Res., 50:44-51, 2005.

14) P. PERUCCA, O. CAZZALINI, O. MORTUSEWICZ, D. NECCHI, M. SAVIO, T. NARDO, L.A. STIVALA, H. LEONHARDT, M.C. CARDOSO, E. PROSPERI.
Spatiotemporal dynamics of p21CDKN1A protein recruitment to DNA damage sites and interaction with proliferating cell nuclear antigen.
J Cell Sci. 119: 1517-27, 2006.

15) M. SAVIO, M. CERRI, O. CAZZALINI, P. PERUCCA, L.A. STIVALA, P. PICHIERRI, A.P. FRANCHITTO, L. MEIJER, E. PROSPERI.
Replication-dependent S-phase checkpoint triggered by Roscovitine induces an uncoupling of DNA replication proteins.
Cell Cycle 5: 2153-9, 2006.

16) O. CAZZALINI, P. PERUCCA, M. SAVIO, D. NECCHI, L. BIANCHI, L.A. STIVALA, B. DUCOMMUN, A.I. SCOVASSI, E. PROSPERI.

Interaction of p21CDKN1A with PCNA regulates the histone acetyltransferase activity of p300 in nucleotide excision repair.
Nucleic Acids Res. 36: 1713-22, 2008

17) P. PERUCCA, O. CAZZALINI, M. MADINE, M. SAVIO, R.A. LASKEY, V. VANNINI, E. PROSPERI, L.A. STIVALA.
Loss of p21(CDKN1A) impairs entry to quiescence and activates a DNA damage response in normal fibroblasts induced to quiescence.
Cell Cycle, 8: 105-14, 2009

18) M. SAVIO, T. COPPA, O. CAZZALINI, P. PERUCCA, D. NECCHI, T. NARDO, L.A. STIVALA, E. PROSPERI
Degradation of p21CDKN1A after DNA damage is independent of type of lesion, and is not required for DNA repair.
DNA Repair, 8:778-85, 2009

19) M. SAVIO, T. COPPA, L. BIANCHI, V. VANNINI, G. MAGA, L. FORTI, O. CAZZALINI, M.C. LAZZÈ, P. PERUCCA, E. PROSPERI, L.A. STIVALA.
The resveratrol analogue 4,4'-dihydroxy-trans-stilbene inhibits cell proliferation with higher efficiency but different mechanism from resveratrol.
Int J Biochem Cell Biol., 41:2493-502, 2009

20) O. CAZZALINI, AI. SCOVASSI, M. SAVIO, LA. STIVALA, E. PROSPERI.
Multiple roles of the cell cycle inhibitor p21(CDKN1A) in the DNA damage response.
Mutat Res., 704:12-20, 2010.

21) O. CAZZALINI, F. DONÀ, M. SAVIO, M. TILLHON, C. MACCARIO, P. PERUCCA, L.A. STIVALA, A.I. SCOVASSI, E. PROSPERI.
p21CDKN1A participates in base excision repair by regulating the activity of poly(ADP-ribose) polymerase-1.
DNA Repair, 9:627-35, 2010.

22) T. COPPA, M.C. LAZZÈ, O. CAZZALINI, P. PERUCCA, R. PIZZALA, L. BIANCHI, L.A. STIVALA, L. FORTI, C. MACCARIO, V. VANNINI, M. SAVIO.
Structure-Activity Relationship of Resveratrol and Its Analogue 4,4'-Dihydroxy-Trans-Stilbene Toward the Endothelin Axis in Human Endothelial Cells.
J Med Food. 14:1173-80, 2011.

23) L.A. STIVALA, O. CAZZALINI, E. PROSPERI.
The cyclin-dependent kinase inhibitor p21CDKN1A as a target of anti-cancer drugs.
Curr Cancer Drug Targets, 12:85-96, 2012.

24) TILLHON M, CAZZALINI O, NARDO T, NECCHI D, SOMMATIS S, STIVALA LA, SCOVASSI AI, PROSPERI E.

p300/CBP acetyl transferases interact with and acetylate the nucleotide excision repair factor XPG. DNA Repair, 11(10):844-52, 2012.

25) PERUCCA P, SAVIO M, CAZZALINI O, MOCCHI R, MACCARIO C, SOMMATIS S, FERRARO D, PIZZALA R, PRETALI L, FASANI E, ALBINI A, STIVALA LA.
Structure-activity relationship and role of oxygen in the potential antitumour activity of fluoroquinolones in human epithelial cancer cells.
J Photochem Photobiol B. 140:57-68, 2014.

26) CAZZALINI O, SOMMATIS S, TILLHON M, DUTTO I, BACHI A, RAPP A, NARDO T, SCOVASSI AI, NECCHI D, CARDOSO MC, STIVALA LA, PROSPERI E.
CBP and p300 acetylate PCNA to link its degradation with nucleotide excision repair synthesis.
Nucleic Acids Res. 42(13):8433-48. 2014.

27) CAZZALINI O, PERUCCA P, MOCCHI R, SOMMATIS S, PROSPERI E, STIVALA LA.
DDB2 association with PCNA is required for its degradation after UV-induced DNA damage.
Cell Cycle. 13(2):240- 2014.

28) DUTTO I, TILLHON M, CAZZALINI O, STIVALA LA, PROSPERI E.
Biology of the cell cycle inhibitor p21(CDKN1A): molecular mechanisms and relevance in chemical toxicology.
Arch Toxicol. 89(2):155-78, 2015.

29) PERUCCA P, SOMMATIS S, MOCCHI R, PROSPERI E, STIVALA LA, CAZZALINI O.
A DDB2 mutant protein unable to interact with PCNA promotes cell cycle progression of human transformed embryonic kidney cells.
Cell cycle, 14 (24):3920-8, 2015.

30) DUTTO I, SUKHANOVA M, TILLHON M, CAZZALINI O, STIVALA LA, SCOVASSI AI, LAVRIK O, PROSPERI E.
p21CDKN1A regulates the binding of Poly(ADP-Ribose) Polymerase-1 to DNA repair intermediates.
PLoS One. 2016 Jan 5;11(1):e0146031. doi: 10.1371/journal.pone.0146031.

31) DUTTO I, CAZZALINI O, STIVALA LA, PROSPERI E.
An improved method for the detection of nucleotide excision repair factors at local UV DNA damage sites.
DNA Repair , 51:79-84, 2017.

32) PERUCCA P, MOCCHI R, GUARDAMAGNA I, BASSI E, SOMMATIS S, NARDO T, PROSPERI E, STIVALA LA, **CAZZALINI O**.
A damaged DNA binding protein 2 mutation disrupting interaction with proliferating-cell nuclear antigen affects DNA repair and confers proliferation advantage.
Biochim Biophys Acta. 1865: 898-907, 2018.

CAPITOLI IN LIBRO

Involvement of the cell cycle inhibitor p21CDKN1A in DNA repair
M.TILLHON, **O. CAZZALINI**, L.A. STIVALA, A.I. SCOVASSI, E. PROSPERI
In: DNA damage repair, repair mechanisms and aging. 2010
Editor: Allison E. Thomas, pp.123-140, Nova Science Publishers, Inc ISBN 978-1-61668-914-8.

p21CDKN1A and DNA Repair Systems: Recent Findings and Future Perspectives
M. TILLHON, **O. CAZZALINI**, I. DUTTO, L.A. STIVALA, E. PROSPERI
In: DNA Repair New Research Directions. 2013
Editor: Clark Chen, University of California, San Diego, USA.
ISBN 980-953-307-746-3.