

## Lista delle pubblicazioni Artem Smirnov (aggiornata 2025)

Giovannini S., Li Y., Pecorari R., Fierro C., Fiorilli C., Corigliano F., Moriconi V., Zhou J., De Antoni A., **Smirnov A.**, Rinalducci S., Timperio A.M., Agostini M., Zhang J., Shi Y., Candi E., Melino G., Bernassola F. Thioredoxin-interacting protein (TXNIP) is a substrate of the NEDD4-like E3 ubiquitin-protein ligase WWP1 in cellular redox state regulation of acute myeloid leukemia cells (2025) *Molecular Oncology*, 19 (1), pp. 133 - 150

Croce D., **Smirnov A.**, Tiburzi L., Travaglini S., Costa R., Calabrese A., Basili R., Levaldi Ghiron N., Melino G. AI-driven transcriptomic encoders: From explainable models to accurate, sample-independent cancer diagnostics (2024) *Expert Systems with Applications*, 258, 125126.

Giovannini S., **Smirnov A.**, Concetti L., Scimeca M., Mauriello A., Bischof J., Rovella V., Melino G., Buonomo C.O., Candi E., Bernassola F. A comprehensive molecular characterization of a claudin-low luminal B breast tumor (2024) *Biology Direct*, 19 (1), 66

Piro M.C., Pecorari R., **Smirnov A.**, Cappello A., Foffi E., Lena A.M., Shi Y., Melino G., Candi E. p63 affects distinct metabolic pathways during keratinocyte senescence, evaluated by metabolomic profile and gene expression analysis (2024) *Cell Death and Disease*, 15 (11), 830

**Smirnov A.**, Lena A.M., Tosetti G., Yang X., Cappello A., Citterich M.H., Melino G., Candi E. Epigenetic priming of an epithelial enhancer by p63 and CTCF controls expression of a skin-restricted gene XP33. (2023) *Cell Death Discovery*, 9 (1), 446. [IF: 7.1, citations: 0.](#)

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Han Y., Rovella V., **Smirnov A.**, Buonomo O.C., Mauriello A., Perretta T., Shi Y., Woodsmith J., Bischof J., Bove P., Juhl H., Scimeca M., Sica G., Tisone G., Wang Y., Giacobbi E., Materazzo M., Melino G., Candi E., Bernassola F. A BRCA2 germline mutation and high expression of immune checkpoints in a TNBC patient. (2023) *Cell Death Discovery*, 9 (1), 370. [IF: 7.1, citations: 0.](#)

Yang X., Zong C., Feng C., Zhang C., **Smirnov A.**, Sun G., Shao C., Zhang L., Hou X., Liu W., Meng Y., Zhang L., Shao C., Wei L., Melino G., Shi Y. Hippo Pathway Activation in Aged Mesenchymal Stem Cells Contributes to the Dysregulation of Hepatic Inflammation in Aged Mice. (2023) *Advanced Science*, 10 (27), 2300424. [IF: 17.5, citations: 0.](#)

**Smirnov A.**, Magri A, Lotz R, Han X., Yin C., Harris M., Osterburg C., Dötsch V., McKeating J.A., Lu X. ASPP2 binds to hepatitis C virus NS5A protein via an SH3 domain/PxxP motif-mediated interaction and potentiates infection. (2023) *Journal of General Virology*, 104 (9), 001895. [IF: 5.1, citations: 0.](#)

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