



Publications

- 1** Carapezza, G.; Minardi, S.P.; Noci, S.; Pintarelli, G.; Zanutto, S.; Incarbone, M.; Tosi, D.; Dragani, T.A.; Colombo, F.; Pierotti, M.A.; Gariboldi, M. Germline Whole-Exome Sequencing in Non-Smoker Lung Cancer Patients Reveals Pathogenic Variants in Lung Cancer Driver Genes. *Genes, Chromosomes & Cancer* 2025 Mar; 64(3):e70040. doi: 10.1002/gcc.70040. PMID: 40119744.
- 2** Hariprakash, J.M.; Salviato, E.; La Mastra, F.; Sebestyén, E.; Tagliaferri, I.; Silva, R.S.; Lucini, F.; Farina, L.; Cinquanta, M.; Rancati, I.; Riboni, M.; Minardi, S.P.; Roz, L.; Gorini, F.; Lanzuolo, C.; Casola, S.; Ferrari, F. Leveraging Tissue-Specific Enhancer-Target Gene Regulatory Networks Identifies Enhancer Somatic Mutations That Functionally Impact Lung Cancer. *Cancer Research* 2024 Jan 2; 84(1):133–153. doi: 10.1158/0008-5472.CAN-23-1129. PMID: 37855660.
- 3** Ciampi, R.; Ramone, T.; Romei, C.; Casalini, R.; Matrone, A.; Prete, A.; Gambale, C.; Minardi, S.P.; Caparezza, G.; Pierotti, M.A.; Torregrossa, L.; Ugolini, C.; Materazzi, G.; Elisei, R. NF1 Gene Inactivation Acts as Tumor Driver in RET/RAS Negative Medullary Thyroid Carcinomas. *European Journal of Endocrinology* 2023 May 22;lvad051. doi: 10.1093/ejendo/lvad051. PMID: 37216402.
- 4** Varinelli, L.; Guaglio, M.; Brich, S.; Zanutto, S.; Belfiore, A.; Zanardi, F.; Iannelli, F.; Oldani, A.; Costa, E.; Chighizola, M.; Lorenc, E.; Minardi, S.P.; Fortuzzi, S.; Filugelli, M.; Garzone, G.; Pisati, F.; Vecchi, M.; Pruneri, G.; Kusamura, S.; Baratti, D.; Cattaneo, L.; Parazzoli, D.; Podestà, A.; Milione, M.; Deraco, M.; Pierotti, M.A.; Gariboldi, M. Decellularized Extracellular Matrix as Scaffold for Cancer Organoid Cultures of Colorectal Peritoneal Metastases. *Journal of Molecular Cell Biology* 2023 Apr 6; 14(11):mjac064. doi: 10.1093/jmcb/mjac064. PMID: 36460033.
- 5** Trinei, M.; Carpi, A.; Menabò, R.; Storto, M.; Fornaric, M.; Marinelli, A.; Minardi, S.; Riboni, M.; Casciaro, F.; Di Lisa, F.; Petroni, K.; Tonelli, C.; Giorgio, M. Dietary intake of cyanidin-3-glucoside induces a long-lasting cardioprotection from ischemia/reperfusion injury by altering the microbiota. *Journal of Nutritional Biochemistry* 2022 Mar; 101:108921. doi: 10.1016/j.jnutbio.2021.108921.
- 6** Atashpaz, S.; Samadi Shams, S.; Martin Gonzalez, J.; Sebestyén, E.; Arghavanifard, N.; Gnocchi, A.; Albers, E.; Minardi, S.; Fagà, G.; Soffientini, P.; Allievi, E.; Cancila, V.; Bachi, A.; Fernández-Capetillo, Ó.; Tripodo, C.; Ferrari, F.; Joaquín López-Contreras, A.; Costanzo, V. ATR expands embryonic stem cell fate potential in response to replication stress. *eLife* 2020; 9:e54756. doi: 10.7554/eLife.54756.
- 7** Bradamante, S.; Rivero, D.; Barenghi, L.; Balsamo, M.; Minardi, S.P.; Vitali, F.; Cavalieri, D. SCD – Stem Cell Differentiation Toward Osteoblast Onboard the International Space Station. *Microgravity Science and Technology* 2018 Sept. <https://doi.org/10.1007/s12217-018-9653-2>.
- 8** Catucci, I.; Osorio, A.; Arver, B.; Neidhardt, G.; Bogliolo, M.; Zanardi, F.; Riboni, M.; Minardi, S.; Pujol, R.; Azzollini, J.; Peissel, B.; Manoukian, S.; De Vecchi, G.; Casola, S.; Hauke, J.; Richters, L.; Rhiem, K.; Schmutzler, R.K.; Wallander, K.; Törngren, T.; Borg, Å.; Radice, P.; Surrallés, J.; Hahnen, E.; Ehrencrona, H.; Kvist, A.; Benitez, J.; Peterlongo, P. Individuals with FANCM biallelic mutations do not develop Fanconi anemia, but show risk for breast cancer, chemotherapy toxicity and may display chromosome fragility. *Genetics in Medicine* 2018 Apr; 20(4):452–457.
- 9** Ziegler, N.; Awwad, K.; Fisslthaler, B.; Reis, M.; Devraj, K.; Corada, M.; Minardi, S.P.; Dejana, E.; Plate, K.H.; Fleming, I.; Liebner, S. β -Catenin is required for endothelial Cyp1b1 regulation influencing metabolic barrier function. *Journal of Neuroscience* 2016 Aug 24; 36(34):8921–8935.
- 10** Peterlongo, P.; Catucci, I.; Pasquini, G.; Verderio, P.; Peissel, B.; Barile, M.; Varesco, L.; Riboni, M.; Fortuzzi, S.; Manoukian, S.; Radice, P. PALB2 germline mutations in familial breast cancer cases with personal and family history of pancreatic cancer. *Breast Cancer Research and Treatment* 2011 Apr; 126(3):825–828. doi: 10.1007/s10549-010-1305-1.
- 11** Catucci, I.; Verderio, P.; Pizzamiglio, S.; Manoukian, S.; Peissel, B.; Zaffaroni, D.; Roversi, G.; Ripamonti, C.B.; Pasini, B.; Barile, M.; Viel, A.; Giannini, G.; Papi, L.; Varesco, L.; Martayan, A.; Riboni, M.; Volorio, S.; Radice, P.; Peterlongo, P. The CASP8 rs3834129 polymorphism and breast cancer risk in BRCA1 mutation carriers. *Breast Cancer Research and Treatment* 2011 Feb; 125(3):855–860. doi: 10.1007/s10549-010-1068-8.
- 12** Gambino, V.; De Michele, G.; Venezia, O.; Migliaccio, P.; Dall'Olio, V.; Bernard, L.; Minardi, S.P.; Fazio, M.A.D.; Bartoli, D.; Servillo, G.; Alcalay, M.; Luzi, L.; Giorgio, M.; Scoble, H.; Pelicci, P.G.; Migliaccio, E. Oxidative stress activates a specific p53 transcriptional response that regulates cellular senescence and aging. *Aging Cell* 2013 Mar 27; 12(2):e12060. doi: 10.1111/acel.12060.

- 13** Belloni, E.; Veronesi, G.; Micucci, C.; Javan, S.; Minardi, S.P.; Venturini, E.; Maisonneuve, P.; Volorio, S.; Riboni, M.; Bellomi, M.; Scanagatta, P.; Taliento, G.; Pelosi, G.; Pece, S.; Spaggiari, L.; Pelicci, P.G. Genomic characterization of asymptomatic CT-detected lung cancers. *Oncogene* 2011 Mar 3; 30(9):1117–1126.
- 14** Fachinetti, D.; Bermejo, R.; Cocito, A.; Minardi, S.; Katou, Y.; Kanoh, Y.; Shirahige, K.; Azvolinsky, A.; Zakian, V.A.; Foiani, M. Replication termination at eukaryotic chromosomes is mediated by Top2 and occurs at genomic loci containing pausing elements. *Molecular Cell* 2010 Aug 27; 39(4):595–605.
- 15** Martin-Padura, I.; de Nigris, F.; Migliaccio, E.; Mansueto, G.; Minardi, S.; Rienzo, M.; Lerman, L.O.; Stendardo, M.; Giorgio, M.; De Rosa, G.; Pelicci, P.G.; Napoli, C. p66Shc deletion confers vascular protection in advanced atherosclerosis in hypercholesterolemic apolipoprotein E knockout mice. *Endothelium* 2008 Sep–Oct; 15(5-6):276–287.
- 16** Gardini, A.; Cesaroni, M.; Luzi, L.; Okumura, A.J.; Biggs, J.R.; Minardi, S.P.; Venturini, E.; Zhang, D.E.; Pelicci, P.G.; Alcalay, M. AML1/ETO oncprotein is directed to AML1 binding regions and co-localizes with AML1 and HEB on its targets. *PLoS Genetics* 2008 Nov; 4(11):e1000275.
- 17** Senese, S.; Zaragoza, K.; Minardi, S.; Muradore, I.; Ronzoni, S.; Passafaro, A.; Bernard, L.; Draetta, G.F.; Alcalay, M.; Seiser, C.; Chiocca, S. Role for histone deacetylase 1 in human tumor cell proliferation. *Molecular and Cellular Biology* 2007 Jul; 27(13):4784–4795.
- 18** Modena, P.; Lualdi, E.; Facchinetto, F.; Veltman, J.; Reid, J.F.; Minardi, S.; Janssen, I.; Giangaspero, F.; Forni, M.; Finocchiaro, G.; Genitori, L.; Giordano, F.; Riccardi, R.; Schoenmakers, E.F.; Massimino, M.; Sozzi, G. Identification of tumor-specific molecular signatures in intracranial ependymoma and association with clinical characteristics. *Journal of Clinical Oncology* 2006 Nov 20; 24(33):5223–5233.
- 19** Alcalay, M.; Tacci, E.; Bergomas, R.; Bigerna, B.; Venturini, E.; Minardi, S.P.; Meani, N.; Diverio, D.; Bernard, L.; Tizzoni, L.; Volorio, S.; Luzi, L.; Colombo, E.; Lo Coco, F.; Mecucci, C.; Falini, B.; Pelicci, P.G. Acute myeloid leukemia bearing cytoplasmic nucleophosmin (NPM_c+AML) shows a distinct gene expression profile characterized by up-regulation of genes involved in stem cell maintenance. *Blood* 2005 Oct; 106(3):899–902.
- 20** Meani, N.; Minardi, S.; Licciulli, S.; Gelmetti, V.; Coco, F.L.; Nervi, C.; Pelicci, P.G.; Müller, H.; Alcalay, M. Molecular signature of retinoic acid treatment in acute promyelocytic leukemia. *Oncogene* 2005 May 5; 24(20):3358–3368.
- 21** Finocchiaro, G.; Parise, P.; Minardi, S.P.; Alcalay, M.; Müller, H. GenePicker: replicate analysis of Affymetrix gene expression microarrays. *Bioinformatics* 2004 Dec 12; 20(18):3670–3672.
- 22** Alcalay, M.; Meani, N.; Gelmetti, V.; Fantozzi, A.; Fagioli, M.; Orleth, A.; Riganelli, D.; Sebastiani, C.; Cappelli, E.; Casciari, C.; Sciuropi, M.T.; Mariano, A.R.; Minardi, S.P.; Luzi, L.; Müller, H.; Di Fiore, P.P.; Frosina, G.; Pelicci, P.G. Acute myeloid leukemia fusion proteins deregulate genes involved in stem cell maintenance and DNA repair. *Journal of Clinical Investigation* 2003 Dec; 112(11):1751–1761.