

Gabriele Babini, PhD

Lista di Pubblicazioni su riviste scientifiche

[2018]

19. G. Babini, J. Morini, S. Barbieri, G. Baiocco, G. B. Ivaldi, M. Liotta, P. Tabarelli de Fatis, A. Ottolenghi, "A Co-culture Method to Investigate the Crosstalk Between X-ray Irradiated Caco-2 Cells and PBMC", *Journal of Visualized Experiments*, Issue 131, (2018), doi: 10.3791/56908, (<https://www.jove.com/video/56908/>).

18. S. Plumitallo, L. Ruiz-Llorente, C. Langa, J. Morini, G. Babini, D. Cappelletti, L. Scelsi, A. Greco, C. Danesino, C. Bernabeu, C. Olivieri, "Functional analysis of a novel ENG variant in a patient with hereditary hemorrhagic telangiectasia (HHT) identifies a new Sp1 binding-site", *Gene*, Vol. 647, 85-92, (2018), doi: 10.1016/j.gene.2018.01.007, (<https://www.sciencedirect.com/science/article/pii/S0378111918300076>).

[2017]

17. B. Tanno, S. Leonardi, G. Babini, P. Giardullo, I. De Stefano, E. Pasquali, A. Saran, M. Mancuso, "Nanog-driven cell-reprogramming and self-renewal maintenance in Ptch1^{+/-} granule cell precursors after radiation injury", *Scientific Reports*, 7:14238, 1-11, (2017), doi:10.1038/s41598-017-14506-6, (<https://www.nature.com/articles/s41598-017-14506-6>).

16. S. Leonardi, M. Buttarelli, I. De Stefano, G. Ferrandina, M. Petrillo, G. Babini, G. Scambia, C. Marino, M. Mancuso, D. Gallo, "The relevance of Prelamin A and RAD51 as molecular biomarkers in cervical cancer", *Oncotarget*, p1-12, October 2017, ([http://www.impactjournals.com/oncotarget/index.php?journal=oncotarget&page=article&op=view&path\[\]=21686&path\[\]=68838](http://www.impactjournals.com/oncotarget/index.php?journal=oncotarget&page=article&op=view&path[]=21686&path[]=68838)).

15. G. Baiocco, S. Barbieri, G. Babini, J. Morini, W. Friedland, P. Kundrať, E. Schmitt, M. Puchalska, U. Giesen, R. Nolte, A. Ottolenghi, "At the physics-biology interface: the neutron affair", *Radiation Protection Dosimetry*, pp. 1-4 (2017), doi:10.1093/rpd/ncx222, (<https://academic.oup.com/rpd/article-abstract/4560562>).

14. I. De Stefano, P. Giardullo, B. Tanno, S. Leonardi, E. Pasquali, G. Babini, A. Saran, M. Mancuso, The role of the Shh signaling pathway in radio-induced cataractogenesis, *Acta Ophthalmologica*, 95(S259), (2017), DOI: 10.1111/j.1755-3768.2017.03683, (<http://onlinelibrary.wiley.com/doi/10.1111/j.1755-3768.2017.03683/full>)

13. J. Morini, G. Babini, S. Barbieri, G. Baiocco, A. Ottolenghi, "The interplay between radioresistant caco-2 cells and the immune system increases epithelial layer Permeability and alters signaling Protein spectrum", *Frontiers in Immunology*, 8:223, (2017), doi:10.3389/fimmu.2017.00223. (<http://journal.frontiersin.org/article/10.3389/fimmu.2017.00223/full>)

[2016]

12. G. Baiocco, S. Barbieri, G. Babini, J. Morini, D. Alloni, W. Friedland, P. Kundrať, E. Schmitt, M. Puchalska, L. Sihver, A. Ottolenghi "The origin of neutron biological effectiveness as a function of energy" *Scientific Reports*, 34033 (2016) doi:10.1038/srep34033 (2016), (<http://www.nature.com/articles/srep34033>).

11. B. Tanno, G. Babini, S. Leonardi, P. Giardullo, I. De Stefano, E. Pasquali, A. Ottolenghi, M. J. Atkinson, A. Saran, M. Mancuso, "Ex vivo miRNome analysis in *Ptch1*^{+/-} cerebellum granule cells reveals a subset of miRNAs involved in radiation-induced medulloblastoma", *Oncotarget*, September 2016 (<http://www.impactjournals.com/oncotarget/index.php?journal=oncotarget&page=article&op=view&path%5B%5D=11938&path%5B%5D=37792>)

10. I. De Stefano, P. Giardullo, B. Tanno, S. Leonardi, E. Pasquali, G. Babini, A. Saran, M. Mancuso, "Nonlinear Radiation Cataract Induction Using the Radiosensitive *Ptch1*^{+/-} Mouse Model", *Radiation Research*, Online ahead of print, August 2016, (<http://www.rjournal.org/doi/abs/10.1667/RR14440.1>).

9. M. Tanori, A. Casciati, F. Berardinelli, S. Leonardi, E. Pasquali, F. Antonelli, B. Tanno, P. Giardullo, A. Pannicelli, G. Babini, I. De Stefano, A. Sgura, M. Mancuso, A. Saran, S. Pazzaglia, "Synthetic Lethal Genetic Interactions between Rad54 and PARP-1 in Mouse Development and Oncogenesis", *Oncotarget*, July 2016, (<http://www.impactjournals.com/oncotarget/index.php?journal=oncotarget&page=article&op=view&path%5B%5D=10479&path%5B%5D=33110>).

8. M. Hauptmann, S. Haghdoost, M. Gomolka, H. Sarioglu, M. Ueffing, A. Dietz, U. Kulka, K. Unger, G. Babini, M. Harms-Ringdahl, A. Ottolenghi, S. Hornhardt, "Differential Response and Priming Dose Effect on the Proteome of Human Fibroblast and Stem Cells Induced by Exposure to Low Doses of Ionizing Radiation", *Radiation Research*, March 2016, (<http://www.rjournal.org/doi/abs/10.1667/RR14226.1>).

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7. D. Alloni, G. Baiocco, G. Babini, W. Friedland, L. Mariotti, A. Ottolenghi, "Energy dependence of carbon ions induced DNA damage complexity", *Radiation Protection dosimetry* first published online May 9, 2015, doi:10.1093/rpd/ncv292, (<http://rpd.oxfordjournals.org/content/166/1-4/86.abstract>).

6. J. Morini, G. Babini, L. Mariotti, G. Baiocco, C. Maccario, A. Guertler, A. Minelli, M. Savio, U. Rößler, U. Kulka, A. Ottolenghi, C. Danesino, "Radiosensitivity in lymphoblastoid cell lines derived from Shwachman-diamond Syndrome patients", *Radiat Prot Dosimetry* first published online April 12, 2015 doi:10.1093/rpd/ncv152 (<http://rpd.oxfordjournals.org/content/166/1-4/95.abstract>);

5. G. Baiocco, D. Alloni, G. Babini, L. Mariotti, A. Ottolenghi, "Reaction mechanism interplay in determining the biological effectiveness of neutrons as a function of energy", *Radiat Prot Dosimetry* first published online April 5, 2015 doi:10.1093/rpd/ncv134 (<http://rpd.oxfordjournals.org/content/166/1-4/316.abstract>);

4. G. Babini, V. E. Bellinzona, J. Morini, L. Mariotti, K. Unger, A. Ottolenghi, "Mechanisms of the induction of apoptosis mediated by radiation-induced cytokine release", *Radiat Prot Dosimetry* first published online April 5, 2015 doi:10.1093/rpd/ncv133 (<http://rpd.oxfordjournals.org/content/166/1-4/165>);

3. G. Babini, M. Ugolini, J. Morini, G. Baiocco, L. Mariotti, P. Tabarelli de Fatis, M. Liotta, A. Ottolenghi, "Investigation of radiation-induced multilayered signaling response of the inflammatory pathway", *Radiat Prot Dosimetry* first published online April 15, 2015 doi:10.1093/rpd/ncv132 (<http://rpd.oxfordjournals.org/content/166/1-4/157.short>);

2. G. Babini, J. Morini, G. Baiocco, L. Mariotti, A. Ottolenghi, "In vitro γ -ray-induced inflammatory response is dominated by culturing conditions rather than radiation exposures", *Scientific Reports* 5, 9343, doi:10.1038/srep09343(2015) (<http://www.nature.com/srep/2015/150320/srep09343/full/srep09343.html>);

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