

1. Yuanke Liang, Daniëlle Voshart, Judith T. M. L. Paridaen, Nynke Oosterhof, Dong Liang, Arun Thiruvalluvan, Inge S. Zuhorn, Wilfred F. A. den Dunnen, Guojun Zhang, Haoyu Lin, **Lara Barazzuol**, Frank A. E. Kruyt. CD146 increases stemness and aggressiveness in glioblastoma and activates YAP signaling. **Cellular and Molecular Life Sciences** 2022 79:398 <https://doi.org/10.1007/s00018-022-04420-0> **Pdf**
2. Cecilia Rocchi, Davide Cinat, Paola Serrano Martinez, Anne L. Jellema-de Bruin, Mirjam Baanstra, Uilke Brouwer, Cinthya del Angel Zuivre, Hein Schepers, Ronald van Os, **Barazzuol, L.** * Robert P. Coppes* . *corresponding author. The Hippo signaling pathway effector YAP promotes salivary gland regeneration after injury. **Science Signalling** 2021 Vol. 14, No. 712. **Pdf**
3. Cinat, D, R.P. Coppes and **Barazzuol, L.*** *corresponding author. DNA Damage-Induced Inflammatory Microenvironment and Adult Stem Cell Response. **Frontiers in Cell and Developmental Biology** 2021 08 October 2021 | <https://doi.org/10.3389/fcell.2021.729136> **Pdf**
4. Anna Ainslie, Wouter Huiting, **Lara Barazzuol*** and Steven Bergink*. *corresponding author. Genome instability and loss of protein homeostasis: converging paths to neurodegeneration?. **Open Biology** 2021 21 April; <https://doi.org/10.1098/rsob.200296> **Pdf**
5. Rocchi C, **Barazzuol L***, Coppes RP*.. The evolving definition of salivary gland stem cells.. **NPJ Regen Med.** 2021 Feb 1;6(1):4. doi: 10.1038/s41536-020-00115-x. **Pdf**
6. Daniëlle C. Voshart; Julia Wiedemann; Peter van Luijk* and **Lara Barazzuol***. *corresponding author. Regional Responses in Radiation-Induced Normal Tissue Damage. **Cancers** 2021 13(3), 367; <https://doi.org/10.3390/cancers13030367> **Pdf**
7. Juan Villar-Vesga, Julián Henao-Restrepo, Daniëlle C. Voshart, David Aguillon, Andrés Villegas, Diana Castaño, Julián D. Arias-Londoño, Inge S. Zuhorn, Laís Ribovski, **Lara Barazzuol**, Gloria P. Cardona-Gómez and Rafael Posada-Duque. Differential Profile of Systemic Extracellular Vesicles From Sporadic and Familial Alzheimer's Disease Leads to Neuroglial and Endothelial Cell Degeneration. **Frontiers in Aging Neuroscience** 2020 11 November | <https://doi.org/10.3389/fnagi.2020.587989> **Pdf**
8. Xiaohong Peng, Yi Wu, Uilke Brouwer, Thijmen van Vliet, Boshi Wang, Marco Demaria, **Lara Barazzuol*** & Rob P. Coppes*. *corresponding author. Cellular senescence contributes to radiation-induced hyposalivation by affecting the stem/progenitor cell niche. **Cell Death & Disease** 2020 volume 11, Article number: 854 (2020) **Pdf**
9. **Lara Barazzuol**, Rob P. Coppes, Peter van Luijk. Prevention and treatment of radiotherapy-induced side effects. **Molecular Oncology** 2020 doi:10.1002/1878-0261.12750 **Pdf**
10. **Lara Barazzuol***, Suzanna R. Hopkins, Limei Ju & Penelope A. Jeggo. *corresponding author. Distinct response of adult neural stem cells to low versus high dose ionising radiation. **DNA Repair** 2019 Jan 18;76:70-75 **Pdf**
11. Nagle PW, Hosper NA, **Barazzuol L**, Jellema AL, Baanstra M, van Goethem MJ, Brandenburg S, Giesen U, Langendijk JA, van Luijk P, Coppes RP.. Lack of DNA Damage Response at Low Radiation Doses in Adult Stem Cells Contributes to Organ Dysfunction. **Clinical Cancer Research** 2018 August 22, DOI: 10.1158/1078-0432.CCR-18-0533 **Pdf**
12. **Lara Barazzuol**, Limei Ju, Penny A. Jeggo. A coordinated DNA damage response promotes adult quiescent neural stem cell activation. **PLOS Biology** 2017 May 10; <https://doi.org/10.1371/journal.pbio.2001264> **Pdf**
13. **Barazzuol L**, Ju L, Jeggo PA. In vivo sensitivity of the embryonic and adult neural stem cell compartments to low-dose radiation.. **Journal of Radiation Research** 2016 1:i2-i10. **Pdf**

14. **Barazzuol L***, Jeynes JC, Merchant MJ, Wéra AC, Barry M, Kirkby KJ, Suzuki M. *corresponding author. Radiosensitisation of glioblastoma cells using a histone deacetylase inhibitor (SAHA) comparing carbon ions with X-rays.. **International Journal of Radiation Biology** 2015 91(1):90-8 **Pdf**
15. Woodbine L, Haines J, Coster M, **Barazzuol L**, Ainsbury E, Sienkiewicz Z, Jeggo P. The rate of X-ray induced DNA double strand break repair in the embryonic mouse brain is unaffected by simultaneous exposure to 50 Hz magnetic fields. **International Journal of Radiation Biology** 2015 91(6):495-9 **Pdf**
16. **Barazzuol L**, Rickett N, Ju L, Jeggo PA. Low levels of endogenous or X-ray-induced DNA double-strand breaks activate apoptosis in adult neural stem cells. **Journal of Cell Science** 2015 128(19):3597-606 **Pdf**
17. Saha S, Woodbine L, Haines J, Coster M, Rickett N, **Barazzuol L**, Ainsbury E, Sienkiewicz Z, Jeggo P. Increased apoptosis and DNA double-strand breaks in the embryonic mouse brain in response to very low-dose X-rays but not 50 Hz magnetic fields. **Journal of the Royal Society Interface** 2014 11(100):20140783 **Pdf**
18. Wéra AC, **Barazzuol L**, Jeynes JC, Merchant MJ, Suzuki M, Kirkby KJ.. Influence of the nucleus area distribution on the survival fraction after charged particles broad beam irradiation.. **Physics in Medicine & Biology** 2014 59 4197 **Pdf**
19. Jeynes JCG, Merchant MJ, **Barazzuol L**, Barry M, Palitsin V, Grime GW, Webb RP, Kirkby KJ.. Broadbeam irradiation of mammalian cells using a vertical microbeam facility.. **Radiation and Environmental Biophysics** 2013 52(4):513-521 **Pdf**
20. **Barazzuol L***, Jena R, Burnet NG, Jeynes JCG, Kirkby KJ, Kirkby NF. *corresponding author. Evaluation of poly(ADP-ribose) polymerase inhibitor ABT-888 combined with radiotherapy and temozolomide in glioblastoma. **Radiation Oncology** 2013 8:65 **Pdf**
21. **Barazzuol L***, Jena R, Burnet NG, Jeynes JCG, Merchant MJ, Kirkby KJ, Kirkby NF. *corresponding author. In vitro evaluation of combined temozolomide and radiotherapy using X-rays and high linear energy transfer radiation for glioblastoma.. **Radiation Research** 2012 177:651-662 **Pdf**
22. **Barazzuol L**, Burnet NG, Jena R, Jeynes JCG, Merchant MJ, Kirkby KJ, Kirkby NF. Evaluation of combined temozolomide and high linear energy transfer radiation in glioblastoma cell lines. **Radiotherapy & Oncology** 2011 99, Supp 1, S360 **Pdf**
23. **Barazzuol L**, Burnet NG, Jena R, Jones B, Jefferies SJ, Kirkby NF. A mathematical model of brain tumour response to radiotherapy and chemotherapy considering radiobiological aspects. **Journal of Theoretical Biology** 2010 262(3):553-65 **Pdf**