

LIST OF PUBLICATIONS MARTIN PRUSCHY (2014 - 2010)

1) ORIGINAL PUBLICATIONS; peer reviewed

1. Angela Broggini-Tenzer, Ashish Sharma, Katarzyna J. Nytko, Van Vuong, Katrin Orłowski, Daniel Hug, Terence O'Reilly, Martin Pruschy (2014)
Combined Treatment Strategies for Microtubule Stabilizing Agent-Resistant Tumors
Journal of National Cancer Institute, JNCI, accepted for publication
2. Colette J. Shen, Ashish Sharma, Vuong Dinh-Van, Janine T. Erler, Angela Broggini-Tenzer, Martin Pruschy (2014)
Ionizing radiation induces tumor cell lysyl oxidase secretion
BMC Cancer, 14:e532
3. Nicole Grosse, Andrea Fontana, Eugen Hug, Tony Lomax, Doelf Corey, Marc Augsburger, Harald Paganetti, Alessandro A. Sartori, Martin Pruschy (2014)
Differential Demands on DNA Double Strand Break Repair Systems after Proton versus Photon Irradiation
Int J Radiat Oncol Biol Phys. 88:175-81
4. Linda Helbig, Lydia Koi, Kerstin Brüchner, Kristin Gurtner, Holger Hess-Stumpp, Kerstin Unterschemmann, Martin Pruschy, Michael Baumann, Ala Yaromina, Daniel Zips (2014)
HIF pathway inhibition resolves tumor hypoxia and improves local tumor control after single dose irradiation
Int J Radiat Oncol Biol Phys.88:159-66
5. Nada MB Ben Abdallah, Robert K. Filipkowski, Martin Pruschy, Piotr Jaholkowski, Juergen Winkler, Leszek Kaczmarek, Hans-Peter Lipp (2013)
Impaired long-term memory retention: common denominator for acutely or genetically reduced hippocampal neurogenesis in adult mice
Behavioural Brain Research 252C:275-286
6. Polina Furmanova, Matthias Eggel, Anne-Laure Millard, Martin Pruschy (2013)
The Microtubule Stabilizer Patupilone Counteracts Ionizing Radiation-Induced Matrix Metalloproteinase Activity and Tumor Cell Invasion
Radiation Oncology, 8:105
7. Orłowski, K., Rohrer Bley, C., Zimmermann, M., Vuong, V., Hug, D., Soltermann, A., Broggini-Tenzer, A. and Pruschy, M. Dynamics of tumor hypoxia in response to patupilone and ionizing radiation PLoS ONE (online journal) 2012;7, Nr. 12 e51476
8. Shi Y, Felley-Bosco E, Marti TM, Orłowski K, Pruschy M, Stahel R. Starvation-induced activation of ATM/Chk2/p53 signaling sensitizes cancer cells to cisplatin BMC Cancer 2012 12:e571
9. Christoph Oehler, Karl Frei, Elisabeth J Rushing, Paul MJ McSheehy, Dirk Weber, Peter R. Allegrini, Dorothea Weniger, Urs M. Lütolf, Alexander Knuth, Yasuhiro Yonekawa, Krisztina Barath, Angela Broggini-Tenzer, Martin Pruschy, Silvia Hofer
Patupilone (Epothilone B) for Recurrent Glioblastoma: Clinical Outcome and Translational Analysis of a Single-Institution Phase I/II Trial. Oncology 2012;83, Nr. 1:1-9

10. Gupta, A., Probst, H.C., Vuong, V., Landshammer, A., Muth, S., Yagita, H., Schwendener, R., Pruschy, M., Knuth, A., and van der Broeck, M. Radiotherapy Promotes Tumor-Specific Effector CD8+ T Cells via Dendritic Cell Activation. *The Journal of Immunology* 2012;189, Nr. 2:558-566
11. Carla Rohrer Bley, Katrin Orlowski, Polina Furmanova, Paul MJ McSheehy, Martin Pruschy (2011)
Regulation of VEGF-expression by patupilone and ionizing radiation in lung carcinoma cells
Lung Cancer, 73, 294-301
12. A. Broggini-Tenzer, V. Vuong and M. Pruschy (2011)
Metabolism of Tumors under Treatment: Mapping of Metabolites with Quantitative Bioluminescence
Radiotherapy and Oncology, 99: 98-403
13. C. Oehler, A. Broggini-Tenzer, A. O. von Bueren, P. Furmanova, K. Orlowski, O. Bürki, Stefan Rutkowski, K. Frei, M. A. Grotzer, and M. Pruschy (2011)
The Microtubule Stabilizer Patupilone (Epothilone B) is a Potent Radiosensitizer in Medulloblastoma Cells
Neuro-Oncology, 13, 1000-1010
14. O Riesterer, C Oehler-Jänne, W Jochum, A Broggini-Tenzer, V Vuong, M Pruschy
Ionizing radiation and inhibition of angiogenesis in a spontaneous mammary carcinoma and in a syngenic heterotopic allograft tumor model: a comparative study (2011)
Radiation Oncology, Jun 8;6:66
15. Giulio Fiaschetti, Deborah Castelletti, Stefan Zoller, Martin Pruschy, Duncan Stearns, Alexander Schramm, Tarek Shalaby, Angelica Eggert, Alexandre Arcaro, Michael A Grotzer (2011)
Role of the bone morphogenetic protein-7 as c-Myc target gene in c-Myc-dependent cell survival in childhood medulloblastoma
Oncogene, 30(25):2823-35
16. A von Bueren, C Oehler, T Shalaby, K von Hoff, M Pruschy, B Seifert, NU Gerber, M Warmuth-Metz, D Stearns, Ch Eberhart, RD Kortmann, S Rutkowski and MA Grotzer (2011)
MYC expression sensitizes medulloblastoma cells to radio- and chemotherapy and has no impact on response in medulloblastoma patients
BMC Cancer, 11:74
17. Yandong Shi, Andreas Hollenstein, Emanuela Felley-Bosco, Cornel Fraefel, Matthias Ackermann, Alex Soltermann, Walter Weder, Rolf Stahel, Martin Pruschy and Isabelle Opitz (2011)
Bioluminescence imaging for *in vivo* monitoring of local recurrence mesothelioma model
Lung Cancer,71:370-1
18. P.C. Lara, M. Pruschy, M. Zimmermann, L.A.Henríquez-Hernández (2011)
MVP and Vaults: a role in the radiation response
Radiat Oncol. 2011 Oct 31;6:148

19. Hofstetter B, Niemierko A, Forrer C, Benhattar J, Albertini V, Pruschy M, Bosman F, Catapano C, Ciernik F (2010)
Impact of genomic methylation on radiation sensitivity of colorectal carcinoma
Int J Radiat Oncol Biol Phys. 76:1512-1519
20. Broggin-Tenzer A, Hollenstein Andreas, Pianowski Zbigniew, Wampfler Andrea, Furmanova Polina, Winssinger Nicolas and Pruschy Martin (2010)
Substrate screening identifies novel target sequence for the proteasomal activity regulated by ionizing radiation
Proteomics, 10:304-14

2) REVIEWS (2014-2010)

1. Carla Rohrer Bley, Polina Furmanova, Katrin Orlowski, Nicole Grosse, Angela Broggin-Tenzer, Paul MJ. McSheehy, Martin Pruschy (2013)
Microtubule Stabilizing Agents and Ionizing Radiation: Multiple Exploitable Mechanisms for Combined Treatment
Eur J Cancer. 49, 245-53

3) BOOK CHAPTERS (2014-2010)

1. The radiobiological aspects of tumor hypoxia. M. Pruschy, in "Recent Results in Cancer Research". Invited book chapter to be published in 2014.