

List of publications

1. Publications related to Ph.D. thesis

a) Research articles

Cells and Stripes: A novel quantitative photo-manipulation technique

Mistrik M*, Vesela E*, Furst T, Hanzlikova H, Frydrych I, Gursky J, Majera D, Bartek J
Scientific Reports, 2016 Jan 18;6:19567. doi: 10.1038/srep19567, IF 4.25

* shared first authorship

Role of DNA repair factor XPC in response to replication stress, revealed by DNA fragile site affinity chromatography and quantitative proteomics

Beresova L, Vesela E, Chamrad I, Voller J, Yamada M, Furst T, Lenobel R, Chroma K, Gursky J, Krizova K, Mistrik M, Bartek J
Journal of Proteome Research, 2016 Oct 30, doi: 10.1021/acs.jproteome.6b00622, IF 4.26

b) Review article

Common chemical inductors of replication stress: focus on cell-based studies

Eva Vesela, Katarina Chroma and Martin Mistrik
Biomolecules, 2017, Feb 21;7(1), doi: 10.3390/biom7010019.

c) Abstracts

Lectures

Molecular insight into XPC role in replication stress and common fragile site stability

XI. Diagnostic, Predictive and Experimental Oncology Days, Olomouc, CZ, 2. - 3.12 2015 (EN)

New approach to quantitative image analysis of laser induced DNA damage in live cells

X. Diagnostic, Predictive and Experimental Oncology Days, Olomouc, CZ, 2.- 3.12. 2014 (EN)

Introduction to automated microscopy for high-throughput and high-content screening

V4 International Conference Analytical Cytometry VII
Mikulov, CZ, 21. - 24.9. 2013 (EN)

Antibody detection of DNA damage markers: Method optimization for cell-based high-content screening

Conference of Chemical biology and Genetics, Karlov, CZ, 12. - 14.5 2013 (EN)

Posters

Quantitative image analysis of laser induced DNA damage response and cell cycle regulation in live cells

Bioimage Analysis Workshop 2017, 14-21 May 2017, Heidelberg, Germany (EN)

Quantitative evaluation of laser-induced striation patterns in large amounts of live cells

7th DNA Repair Workshop, Smolenice, Slovakia, 22.-24.5.2016 (EN)

Quantitative evaluation of laser-induced striation patterns in large amounts of live cells

10th Quinquennial Conference on Responses to DNA damage: from molecule to disease, Egmond aan Zee, Netherlands, 17. - 22.4. 2016 (EN)

***Drosera capensis* and *Camelia sinensis* extracts protect DNA from ionizing radiation through the elimination of ROS**

Natural Anticancer Drugs, Olomouc, CZ 30.6. – 4.7. 2012

2. Publications unrelated to PhD thesis

Research article

ATR-Chk1-APC/CCdh1-dependent stabilization of Cdc7-ASK (Dbf4) kinase is required for DNA lesion bypass under replication stress

Yamada M, Watanabe K, Mistrik M, Vesela E, Protivankova I, Mailand N, Lee M, Masai H, Lukas J, Bartek J

Genes and Development, 2013 Nov 15;27(22):2459-72. doi: 10.1101/gad.224568.113., IF 12.64