

## 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**

7<sup>th</sup> DNA Repair Workshop, Smolenice, Slovakia, 22.-24.5.2016 (EN)

**Quantitative evaluation of laser-induced striation patterns in large amounts of live cells**  
10<sup>th</sup> 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