**Ivan Pavičić**, Ph. D.

Born: October 31th, 1973, Zagreb, Croatia

Croatian scientist identification number: 241553

HRZZ identification number: fbfbe04b-d37b-4fd7-8f5d-d5657bb13a98

**Positions and Employment**

Since 2016 Senior Scientific Associate, Radiobiology and Dosimetry Unit, Institute for Medical Research and Occupational Health (IMROH), Zagreb

2010-2015 Scientific Associate, IMROH, Zagreb

2001-2010 Research Assistant (Scientific Novice), IMROH, Zagreb

**Professional field**

Cell biology, nanotoxicology, radiofrequency radiation, cytoskeleton, In vitro, cell cultures, cytotoxicity, Cellular metabolism,

**Education**

2005-2008 Ph. D. in Molecular and Cellular Biology, Faculty of Science, University of Zagreb.

2001-2005 M. Sc. degree in Cellular and Molecular Biology, Faculty of Science, University of Zagreb

1992-1999 B. Sc. Degree in Biology, Faculty of Science, University of Zagreb, Croatia

**Publications**

Co-author of 36 original scientific paper in the international peer-reviewed journals; 363 citations, h-index= 11 (source - Scopus database); list of publications on [CROBIB](http://bib.irb.hr/lista-radova?autor=241553)

**Researcher on on-going scientific projects**

2016 - HRZZ Research Project**:** Interaction of metallic nanoparticles with sulphur-containing biomolecules - implications for nano-bio interface

**Researcher on the scientific projects**

2014- HRZZ Research Project**:** Organic Pollutants in Environment - Markers and Biomarkers of Toxicity

2007-2012, 2002-2006, 1999-2002, scientific projects financed by the Croatian Ministry of Science, Education and Sports

**Professional memberships**

Bioelectromagnetic society, Croatian Radiation Protection Society, Croatian Society of Biochemistry and Molecular Biology, Croatian Association of Toxicology, Croatian Genetic Society, Croatian Radiation Protection Association

**Most relevant publications**

1. Pem, B.,González-Mancebo, D., Moros, M., Ocaña, M., Becerro, A.I., Pavičić, I., Selmani, A., Babič, M., Horák, D., Vinković Vrček, I. Biocompatibility assessment of up-and down-converting nanoparticles: implications of interferences with in vitro assays. Methods and applications in fluorescence. 7(1) 014001.
2. Pongrac, I.M, Ahmed, L.B, Mlinarić, H., Jurašin, D.D., **Pavičić, I.,** Marjanović Čermak, A.M., Milić, M., Gajović, S., Vinković Vrček, I. Surface coating affects uptake of silver nanoparticles in neural stem cell, Journal of Trace Elements in Medicine and Biology. 50 (2018) 684-692
3. Pongrac, Igor M; **Pavičić, Ivan**; Milić, Mirta; Brkič Ahmed, Lada; Babič, Michal; Horák, Daniel; Vinković Vrček, Ivana; Gajović, Srećko. Oxidative stress response in neural stem cells exposed to different superparamagnetic iron oxide nanoparticles. *International Journal of Nanomedicine*. **11** (2016) ; 1701**-**1715
4. Vinković Vrček, Ivana; Žuntar, Irena; Petlevski, Roberta; **Pavičić, Ivan;** Dutour Sikirić, Maja; Ćurlin, Marija; Goessler, Walter.Comparison of in vitro toxicity of silver ions and silver nanoparticles on human hepatoma cells. *Environmental toxicology*. **31** (2016) ; 679**-**692
5. Milić, Mirta; Leitinger, Gerd; **Pavičić, Ivan;** Zebić Avdičević, Maja; Dobrović, Slaven; Goessler, Walter; Vinković Vrček, Ivana. Cellular uptake and toxicity effects of silver nanoparticles in mammalian kidney cells. *Journal of Applied Toxicology*. **35** (2015) , 6; 581**-**59