

CURRICULUM VITAE

PERSONAL DETAILS

NAME: *Zacharenia Nikitaki*
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YEAR OF BIRTH: *1982*
NATIONALITY: *Greek*
MARITAL STATUS: *Single*



EDUCATION AND TRAINING

EDUCATION:

- PhD candidate at DNA Damage Laboratory, Physics Department, School of Applied Mathematics and Physical Sciences, National Technical University of Athens (NTUA)
PhD Thesis: "Repair of oxidatively induced clustered DNA lesions, following exposure of tumor cells to ionizing radiation", 2012-...
- Master of Science "Microsystems and Nanodevices" (2 years term)
Master Thesis: "Study of the Combinatorial effect of Photodynamic Therapy and Antioxidants on Prostate Cancer cells", (grade 10.00)
School of Applied Mathematics and Physical Sciences, National Technical University of Athens – NTUA (grade 8.37/10), 2011
- Diploma of "School of Applied Mathematics and Physical Sciences" (5 years term)
Direction: Applications Physicist
Flows: Nuclear Physics & Elementary Particles
Optoelectronics & Lasers
Diploma thesis: "Study on Ionizing Radiation Dosimetry & Differentiation in G₂-Chromosomal Radiosensitivity", grade 10.00
National Technical University of Athens - NTUA (Grade 7.14 / 10), 2009
- Graduated 5th Lyceum of Chania (18.8 baccalaureate degree), 2000

PUBLICATIONS:

- [1] Z. Nikitaki, I. V. Mavragani, D. A. Laskaratou, V. Gika, V. P. Moskvina, K. Theofilatos, et al., "Systemic mechanisms and effects of ionizing radiation: A new 'old' paradigm of how the bystanders and distant can become the players," *Semin Cancer Biol*, Feb 9 2016.
- [2] A. G. Georgakilas, A. Pavlopoulou, M. Louka, Z. Nikitaki, C. E. Vorgias, P. G. Bagos, et al., "Emerging molecular networks common in ionizing radiation, immune and inflammatory responses by employing bioinformatics approaches," *Cancer Lett*, vol. 368, pp. 164-72, Nov 28 2015.
- [3] N. Hekim, Z. Cetin, Z. Nikitaki, A. Cort, and E. I. Saygili, "Radiation triggering immune response and inflammation," *Cancer Lett*, vol. 368, pp. 156-63, Nov 28 2015.
- [4] Z. Nikitaki, I. Michalopoulos, and A. G. Georgakilas, "Molecular inhibitors of DNA repair: searching for the ultimate tumor killing weapon," *Future Med Chem*, vol. 7, pp. 1543-58, Aug 2015.
- [5] Z. Nikitaki, C. E. Hellweg, A. G. Georgakilas, and J. L. Ravanat, "Stress-induced DNA damage biomarkers: applications and limitations," *Front Chem*, vol. 3, p. 35, 2015.
- [6] V. I. Hatzi, D. A. Laskaratou, I. V. Mavragani, Z. Nikitaki, A. Mangelis, M. I. Panayiotidis, et al., "Non-targeted radiation effects in vivo: a critical glance of the future in radiobiology," *Cancer Lett*, vol. 356, pp. 34-42, Jan 1 2015.

PRESENTATIONS:

- Zacharenia Nikitaki, Georgia I. Terzoudi, George Iliakis and Alexandros G. Georgakilas, "Current advances on the detection of complex DNA damage in cellular systems after exposure to ionizing radiation", COST Action CM1201 : Biomimetic Radical Chemistry & ClicGene meeting, Grenoble-France, 25th - 27th April 2016
- Zacharenia Nikitaki, Ioannis Michalopoulos and Alexandros G. Georgakilas, "Bioinformatics: an inspiration tool for new insights in DNA damage repair", 10th Conference of the Hellenic Society for Computational Biology & Bioinformatics (HSCBB15), Biomedical Research Foundation Academy of Athens (BRFAA/IIBEAA), 09-11 October 2015
- Zacharenia Nikitaki and Alexandros Georgakilas, "Detection of Clustered DNA Lesions in Human Cells", Innovation and Bioengineering in Molecular Medicine, Sanko University, Gaziantep-Turkey, 20-21 March 2015 (Invited Talk)
- V. I. Hatzi, Z. Nikitaki, D.A. Laskaratou, A. Mangelis, I.V. Mavragani, G.E. Pantelias, G.I. Terzoudi and A.G. Georgakilas, "Role of Double Strand Break Repair Proteins in the Processing of Clustered DNA Lesions", 40th Annual Meeting of the European Radiation Research Society, Dublin, 1-5 September 2013

- Z. Nikitaki, V.I. Hatzi, D. Laskaratou, G.I. Terzoudi, G.E. Pantelias and Alexandros G. Georgakilas, "*Induction and repair of clustered DNA lesions in human tumor cells*", 6th European Young Investigator Conference, Ślubice, Poland, 26 – 30 June 2013

TRAINING:

- Short-Term Scientific Mission (STSM), entitled "Clustered DNA damage analysis in Repair Deficient Human Cells" in the frame of COST Action CM1201, in Institute of Medical Radiation Biology, Essen –Germany, between November 20- December 6, 2015
- Short-Term Scientific Mission (STSM), entitled "DNA Double Strand Break Complexity: Chemistry and Biology." in the frame of COST Action CM1201, in Institute of Medical Radiation Biology, Essen –Germany, between October 1- November 15, 2014
- InterRad - Interdisciplinary Radiation Research, Federal Office for Radiation Protection (Munich, Germany), 3 - 14 February 2014
- Fourth International Conference "Micro & Nano 2010" on Micro- Nanoelectronics, Nanotechnologies and MEMs, NCSR "Demokritos", Athens, Greece, 2010
- Conference of the Scientific Society "Micro & Nano" on the subject: "Recent Developments in Micro/ Nanoelectronics; Optoelectronics and sensors', NCSR "Demokritos", Athens, Greece, 2009
- Particle Training Network for European Radiotherapy, Valencia, Spain, 2009
- European Summer University on the "Physics Probes, Interface with Chemistry, Biology and Medicine", Strasbourg, France, 2008
- International Conference of Physics Students, Novi Sad, Serbia, 2004
- Visiting CERN and some universities in France, Switzerland and Italy, in the frame of educational journey held by NTUA, 2003

FOREIGN LANGUAGES:

- Good knowledge of English (First Certificate University of Michigan - 1998)
- Basic knowledge of Serbian
- Basic knowledge of Arabic

COMPUTER SKILLS:

- Programming languages (C/C++, Pascal)
- Matlab, Mathematica

PROFESSIONAL EXPERIENCE

- *Spring Semester of 2015 - NTUA*

Teaching and demonstrating laboratory experiments to Bachelor students in Electrical Engineering Faculty

- *Spring Semester of 2014 - NTUA*

Teaching and demonstrating laboratory experiments to Bachelor students in School of Applied Mathematics and Physical Sciences

- *June 2007-June 2008 - Central Library of NTUA*

Participation in "Ariadne" for the development of digital services, receiving visitors and sorting books.

- *October 2003 - May 2004 - ICHODIAGNOSTIKI TOMOGRAFIA - ZOUMPOULIS P.*

Electronic filing and processing of medical (ultrasound) images. Entering data into spreadsheets.