Curriculum Vitae

Last name, First name: **MACIEJ STĘPNIK** **Gender**: **M**

Nationality: **POLISH**

Overall Scientific Expertise:
Twenty years of experience in the field of molecular toxicology, signal transduction, genotoxicity/mutagenicity testing, chemical carcinogenesis, nanotoxicology, alternative methods in toxicology. Gained experience in risk assessment being involved in work of the Polish Interdepartmental Commission for Maximum Admissible Concentrations and Intensities for Agents Harmful to Health In the Working Environment. Cooperated in several projects within EU Framework Programmes and other (e.g. MARINA, Nanogenotox, NanoInteract, DIEPHY).

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialization
2016-present	Head of Toxicology and Carcinogenesis Dept	Nofer Institute of Occupational Medicine, Poland	Toxicology, genotoxicity, nanotoxicology, chemical carcinogenesis, alternative methods
2011-present	Associate Professor in Toxicology	Nofer Institute of Occupational Medicine, Poland	Toxicology, genotoxicity, nanotoxicology, chemical carcinogenesis, alternative methods
2002-2015	Head of Laboratory of Molecular Toxicology	Nofer Institute of Occupational Medicine, Poland	Toxicology, genotoxicity, nanotoxicology, chemical carcinogenesis, alternative methods
1998-2011	Assistant Professor	Nofer Institute of Occupational Medicine, Poland	Toxicology, nanotoxicology, chemical carcinogenesis
1994-1998	Research assistant	Nofer Institute of Occupational Medicine, Poland	Toxicology, chemical carcinogenesis

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation
2011	Associated professor (habilitation)	Nofer Institute of Occupational Medicine, Poland	Toxicology, nanotoxicology, chemical carcinogenesis
1998	PhD	Nofer Institute of Occupational Medicine, Poland	Toxicology, chemical carcinogenesis
1993	Diploma in medicine	Medical Academy of Lodz, Faculty of Medicine	Medicine

Memberships in Scientific Advisory Bodies/Committees/Panels:

- 2015: Participation as an expert in the work of Member State Committee of the European Chemicals Agency;
- 2014: Participation in the work of OECD Expert Group on the Adaptation of the Genotoxicity in vitro Micronucleus Assay TG487 for Testing of Nanomaterials;
- 2012: Participation in the work of WPMN Steering Group 7(SG7) on Alternative Test Methods in Nanotoxicology;
- 2012-2013: Member of the Advisory Board on Animal Experimentation at the Polish Ministry of Sience and Higher Education;
- 2009-2013: Member of the National Ethics Committee on Animal Experimentation;
- 2003-2008: Representative of the Polish National Consensus Platform at European Consensus Platform on Alternative Methods (Ecopa);
- From 2004 expert in the Polish Interdepartmental Commission for Maximum Admissible Concentrations and Intensities for Agents Harmful to Health In the Working Environment.

Memberships in Learned Societies:

Presently member of: Polish Society of Toxicology (chair of regional section from 2014).

Memberships in Editorial Boards:

- Member of Editorial Board of Journal of Occupational and Environmental Medicine, Edorium Journals (Publisher)
- Member of Editorial Board of Advances in Medicine: Oncology, Hindawi Publishing Corporation

List of Publications:

Author of over 50 peer reviewed publications in the field of general toxicology, molecular toxicology and nanotoxicology (over 500 citations, Hindex: 12); 3 chapters in textbooks of toxicology, 1 patent.

1. Spryszyńska S, Smok-Pieniążek A, Ferlińska M, et al. The influence of ATM, ATR, DNA-PK inhibitors on the cytotoxic and genotoxic effects of dibenzo[def,p]chrysene on human hepatocellular cancer cell line HepG2. Mutat Res Genet Toxicol Environ Mutagen. 2015 Sep;791:12-24.
2. Guichard Y, Maire MA, Sébillaud S, et al. Genotoxicity of synthetic amorphous silica nanoparticles in rats following short-term exposure, part 2: Intratracheal instillation and intravenous injection. Environ Mol Mutagen. 2015 Mar;56(2):228-44.
3. Roszak J, Stępnik M, Nocuń M, et al. A strategy for in vitro safety testing of nanotitania-modified textile products. J Hazard Mater. 2013 Jul 15;256-257:67-75.
4. Ersson C, Møller P, Forchhammer L, et al. An ECVAG inter-laboratory validation study of the comet assay: inter-laboratory and intra-laboratory variations of DNA strand breaks and FPG-sensitive sites in human mononuclear cells. Mutagenesis. 2013 May;28(3):279-86.
5. Kotova N, Vare D, Schultz N, et al. Genotoxicity of alcohol is linked to DNA replication-associated damage and homologous recombination repair. Carcinogenesis 2013, 34(2):325-30.
6. Stępnik M, Arkusz J, Smok-Pieniążek A, et al. Cytotoxic effects in 3T3-L1 mouse and WI-38 human fibroblasts following 72hour and 7day exposures to commercial silica nanoparticles. Toxicol Appl Pharmacol. 2012, 15;263(1): 89-101.
7. Gradecka-Meesters D, Palus J, Prochazka G, et al. Assessment of the protective effects of selected dietary anticarcinogens against DNA damage and cytogenetic effects induced by benzo[a]pyrene in C57BL/6J mice. Food Chem Toxicol. 2011, 49: 1674-83.