

## List of publications of Dariusz Leszczynski

[listed 114 publications]

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### Book Editor [1]

1. Radiation Proteomics: The effects of ionizing and non-ionizing radiation on cells and tissues. in the: Advances in Experimental Medicine and Biology, Vol. 990; **Leszczynski, Dariusz** (Ed.), Publisher: Springer Science + Business Media B.V., The Netherlands; February 2013

### Book Chapters [4]

1. **Leszczynski D.** Effects of radiofrequency-modulated electromagnetic fields on proteome. in Radiation Proteomics: The effects of ionizing and non-ionizing radiation on cells and tissues. in the Radiation Proteomics; Advances in Experimental Medicine and Biology, Vol. 990; **Leszczynski, Dariusz** (Ed.), Publisher: Springer Science + Business Media B.V., The Netherlands; February 2013
2. **Leszczynski D.** Statement of Dariusz Leszczynski, Ph.D., Research Professor, Radiation and Nuclear Safety Authority, University of Helsinki. Hearing on "Health Effects of Cell Phone Use"; in Editors: Cynthia Kempson and Eugene Rahm: Cell Phone Use and Health Risks: Assessments and State of Research; NOVA Publishers 2012, pp. 53-70
3. **Leszczynski D.** Chapter 17: Proteomic approach in mobile phone radiation research. In G. Obe, B. Jandrig, G. Marchant, H. Schütz (Editors) "Methods of Cancer Risk Assessment: Current and Prospective Approaches with Special Reference to Ionizing and Non-ionizing Radiation"; Wiley-VCH, 2011, pp 265-273
4. Juutilainen J, **Leszczynski D**, Nylund R, Heikkinen P, Hietanen M, Haarala-Björnberg C, Auvinen A, Huuskonen H, Toivonen T. Radiotaajuisten kenttien ja säteilyn vaikutukset. In: Ionisoimaton Säteily - Sähkömagnettiset kentät. Eds. Nyberg H & Jokela K. STUK

### Monographs [3]

1. Armstrong B, Baan R, Belyaev I, Benbrahim-Tallaa L, Blackman C, Blettner M, Bontoux L, Bouvard V, Broman K, Byrnes G, Cardis E, Carel R, Dasenbrock C, Degraeve E, Dekhil H, Deltour I, van Deventer E, Doré JF, Elder J, El Ghissassi F, Galichet L, Galland C, Grosse Y, Guha N, Harbo Poulsen A, Hardell L, Inskip P, Islami F, Juutilainen J, Kesminiene A, Kim N, Kuster N, Lauby-Secretan B, **Leszczynski D**, Mann S, Marrant C, McCormick D, McNamee J, Melnick R, Merckel O, Mevissen M, Miyakoshi J, Moissonnier M, Nuttall R, Portier C, Richardson D, Rowley J, Rösli M, Samet J, Saracci R, Schüz J, de Seze R, Shirai T, Siemiatycki J, Sim M, Straif K, Swicord M, Szmigielski S, Verschaeve L. Non-ionizing radiation, Part II: Radiofrequency electromagnetic fields / IARC Working Group on the Evaluation of Carcinogenic Risks to Humans (2011: Lyon, France). ISBN 978 92 832 1325 3
2. **Leszczynski D**, Jokela K, Paile W. EMC & safety of multimedia communication terminals. *ASTE Review Report 2001*
3. Jokela K, **Leszczynski D**, Paile W, Salomaa S, Puranen L, Hyysalo P. Radiation safety of handheld mobile phones and base stations. *STUK-A161, STUK 1999*

### Opinions & Editorials [10]

1. **Leszczynski D.** Do mobile phones give you brain cancer? The Conversation UK, August 8, 2016; <https://theconversation.com/do-mobile-phones-give-you-brain-cancer-63553>
2. Portier CJ, Armstrong B, Baguley BC, Baur X, Belyaev I, Bellé R, Belpoggi F, Biggeri A, Bosland MC, Bruzzi P, Budnik LT, Bugge MD, Burns K, Calaf GM, Carpenter DO, Carpenter HM, López-Carrillo L, Clapp R, Cocco P, Consonni D, Comba P, Craft E, Dalvie MA, Davis D, Demers PA, De Roos A, DeWitt J, Forastiere F, Freedman JH, Fritschi L, Gaus C, Gohlke JM, Goldberg M, Greiser E, Hansen J, Hardell L, Hauptmann M, Huang W, Huff J, James MO,

- Jameson CW, Kortenkamp A, Kopp-Schneider A, Kromhout H, Larramendy ML, Landrigan PJ, Lash LH, **Leszczynski D**, Lynch CF, Magnani C, Mandrioli D, Martin FL, Merler E, Michelozzi P, Miligi L, Miller AB, Mirabelli D, Mirer FE, Naidoo S, Perry MJ, Petronio MG, Pirastu R, Portier RJ, Ramos KS, Robertson LW, Rodriguez T, Rössli M, Ross MK, Roy D, Rusyn I, Saldiva P, Sass J, Savolainen K, Scheepers PTJ, Sergi C, Silbergeld EK, Smith MT, Stewart BW, Sutton P, Tateo F, Terracini B, Thielmann HW, Thomas DB, Vainio H, Vena JE, Vineis P, Weiderpass E, Weisenburger DD, Woodruff TJ, Yorifuji T, Yu IJ, Zambon P, Zeeb H, Zhou SF. Differences in the carcinogenic evaluation of glyphosate between the International Agency for Research on Cancer (IARC) and the European Food Safety Authority (EFSA). *Journal of Epidemiology & Community Health*, 2016, 70: 741-745
3. **Leszczynski D**. The Grand Challenge: Use of a new approach in developing policies in the area of radiation and health. *Frontiers in Radiation and Health, Front.PublicHealth* 2014, 2:50
  4. **Leszczynski D**. Opinion: Unethical Reporting: Two publications on the same topic are compromised by the decision to separate the data. *The Scientist Magazine*, 15.04.2013 (<http://www.the-scientist.com/?articles.view/articleNo/35114/title/Opinion--Unethical-Reporting/>)
  5. **Leszczynski D**. Opinion: Scientific Peer-Review in Crisis: The case of the Danish Cohort. *The Scientist Magazine*, 25.03.2013 (<http://www.the-scientist.com/?articles.view/articleNo/34518/title/Opinion--Scientific-Peer-Review-in-Crisis/>)
  6. **Leszczynski D**. Letter to the Editor: Mobile phone radiation and gene expression. *Radiation Res.* 167, 2007, 121
  7. **Leszczynski D**. Editorial: The need for a new approach in studies of the biological effects of electromagnetic fields. *Proteomics* 2006, 6, 4671–4673
  8. **Leszczynski D**, Meltz ML. Report: Questions and answers concerning applicability of proteomics and transcriptomics in EMF research. *Proteomics* 6, 2006, 4674-4677
  9. **Leszczynski D**. Editorial: The need for new approach in studies of biological effects of electromagnetic fields. *Proteomics* 6, 2006, 4671-4673
  10. **Leszczynski D**. Letter to the Editor: Mobile phones, precautionary principle, and future research. *The Lancet* 358, 2001, 1733

#### **Review Articles in International Peer-Reviewed Scientific Journals [7]**

1. **Leszczynski D**. Radiation Proteomics: A Brief Overview, *Proteomics, Reviews issue*, 2014; 14: 481-488
2. **Leszczynski D**, de Pomerai D, Koczan D, Stoll D, Franke H, Pablo Albar J. Five years later: The current status of the use of proteomics and transcriptomics in EMF research. *Proteomics*. 2012; 12: 2493-2509
3. **Leszczynski D**, Xu Z. Commentary: Mobile phone radiation health risk controversy. *Health Research Policy and Systems* 8, 2010, 2-
4. **Leszczynski D**. Cellular, Animal and Epidemiological Studies of the Effects of Static Magnetic Fields Relevant to Human Health. *Progress Biophys. Mol. Biol.* 87, 2005, 247-253
5. **Leszczynski D**. The role of protein kinase C in regulation of apoptosis: a brief overview of the controversy. *The Cancer Journal*, 9, 1996, 308-313
6. Häyry P, Renkonen R, **Leszczynski D**, Mattila P, Tiisala S, Halttunen J, Turunen JP, Partanen T, Rinta K. Local events in graft rejection. *Transplant. Proc.* 21, 1989, 3716-3720
7. Häyry P, **Leszczynski D**, Nemlander A, Ferry B, Renkonen R, von Willebrand E, Halttunen J. Donor-directed cytotoxic T cells and other inflammatory components of acute allograft rejection. *Ann. N. Y. Acad. Sci.* 532, 1988, 86-105

#### **Research Articles in International Peer-Reviewed Scientific Journals [59]**

1. Barjaktarovic Z, Anastasov N, Azimzadeh O, Sriharshan A, Sarioglu H, Ueffing M, Tammio H, Hakanen A, **Leszczynski D**, Atkinson MJ, Tapio S. Integrative proteomic and microRNA analysis of primary human coronary artery endothelial cells exposed to low-dose gamma radiation. *Radiat Environ Biophys.* 2013; 52: 87-98
2. Chen G, Lu D, Chiang H, **Leszczynski D**, Xu Z. Using model organism *Saccharomyces cerevisiae* to evaluate the effects of ELF-MF and RF-EMF exposure on global gene expression. *Bioelectromagnetics*. 2012 Apr 9. doi: 10.1002/bem.21724. [Epub ahead of print]
3. Pastila R, Heinävaara S, Ylianttila L, **Leszczynski D**. In vivo UVA irradiation of mouse is more efficient in promoting pulmonary melanoma metastasis than in vitro. *Cancer Cell Int.* 2011 Jun 6; 11(1):16.
4. Pluder F, Barjaktarovic Z, Azimzadeh O, Steininger S, Sarioglu H, **Leszczynski D**, Nylund R, Hakanen A, Atkinson MJ, Tapio D. Low-dose irradiation causes rapid alterations to the proteome of the human endothelial cell line EA.hy926. *Radiation & Environmental Biophysics*, 2011, 50: 155-166

5. Stander BA, Marais S, Huyser C, Fourie Z, **Leszczynski D**, Joubert AM. Effects of non-thermal mobile phone radiation on breast adenocarcinoma cells. *South African Journal of Science* 2011, 107, pages 1-9
6. Baan R, Grosse Y, Lauby-Secretan B, El Ghissassi F, Bouvard V, Benbrahim-Tallaa L, Guha N, Islami F, Galichet L, Straif K; WHO International Agency for Research on Cancer Monograph Working Group & Collaborators: Samet J, Armstrong B, Sim M, Degraeve E, Verschaeve L, Siemiatycki J, McNamee J, **Leszczynski D**, Juutilainen J, de Seze R, Doré JF, Blettner M, Dasenbrock C, Miyakoshi J, Shirai T, Szmigielski S, Kim N, Belyaev I, Cardis E, Hardell L, Mevissen M, Rösli M, Mann S, Blackman C, Inskip P, McCormick D, Melnick R, Portier C, Richardson D, Ahlbom A, Kuster N, Bontoux L, Broman K, Dekhil H, Galland C, Merckel O, Elder J, Marrant C, Nuttall R, Rowley J, Swicord M, Baan R, Benbrahim-Tallaa L, Bouvard V, Byrnes G, Carel R, Deltour I, El Ghissassi F, Galichet L, Grosse Y, Guha N, Harbo Poulsen A, Islami F, Kesminiene A, Lauby-Secretan B, Moissonnier M, Saracci R, Schüz J, Straif K, van Deventer E. Carcinogenicity of radiofrequency electromagnetic fields. *Lancet Oncology* 2011, 12: 624-626
7. Falzone N, Huyser C, Becker P, **Leszczynski D**, Franken DR. The effect of pulsed 900-MHz GSM mobile phone radiation on the acrosome reaction, head morphometry and zona binding of human spermatozoa. *Int J Androl.* 2011 Feb;34(1):20-26; Article first published online: 7 MAR 2010; DOI: 10.1111/j.1365-2605.2010.01054.x
8. Pluder F, Barjaktarovic Z, Azimzadeh O, Mörtl S, Krämer A, Steininger S, Sarioglu H, **Leszczynski D**, Nylund R, Hakanen A, Sriharshan A, Atkinson MJ, Tapio S. Low-dose irradiation causes rapid alterations to the proteome of the human endothelial cell line EA.hy926. *Radiat Environ Biophys.* 2010 Nov 23. [Epub ahead of print] PMID: 21104263
9. Nylund R, Kuster N, **Leszczynski D**. Analysis of proteome response to the mobile phone radiation in two types of human primary endothelial cells. *Proteome Science* 2010, 8:52
10. Falzone N, Huyser C, Franken DR, **Leszczynski D**. Mobile phone radiation does not induce pro-apoptosis effects in human spermatozoa. *Radiation Research* 2010 Aug;174(2):169-76
11. Tapio S, Hornhardt S, Gomolka M, **Leszczynski D**, Posch A, Thalhammer S, Atkinson MJ. Use of proteomics in radiobiological research: current state of the art. *Radiat Environ Biophys* 49, 2010, 1-4
12. Nylund R, Tammio H, Kuster N, **Leszczynski D**. Proteomic analysis of the response of human endothelial cell line EA.hy926 to 1800 GSM mobile phone radiation. *J. Proteomics & Bioinformatics* 2, 2009, 455-462
13. Karinen A, Heinävaara S, Nylund R, **Leszczynski D**. Mobile phone radiation might alter protein expression in human skin. *BMC Genomics* 9, 2008, 77-
14. Falzone N, Huyser C, Fourie F, Toivo T, **Leszczynski D**, Franken D. In vitro effect of pulsed 900 MHz GSM radiation on mitochondrial membrane potential and motility of human spermatozoa. *Bioelectromagnetics* 29, 2008, 268-276
15. Dawe AS, Nylund R, **Leszczynski D**, Kuster N, Reader T, De Pomerai DI. Continuous wave and simulated GSM exposure at 1.8 W/kg and 1.8 GHz do not induce hsp16-1 heat-shock gene expression in *Caenorhabditis elegans*. *Bioelectromagnetics.* 29, 2008, 92-99
16. Pastila R, **Leszczynski D**. Ultraviolet-A radiation induces changes in cyclin G gene expression in mouse melanoma B16-F1 cells. *Cancer Cell Int.* 7, 2007, 7-
17. Nylund R, **Leszczynski D**. Mobile phone radiation causes changes in gene and protein expression in human endothelial cell lines and the response seems to be genome- and proteome-dependent. *Proteomics* 6, 2006, 4769-4780
18. Remondini D, Nylund R, Reivinen J, Poullietier de Gannes F, Veyret B, Lagroye I, Haro E, Trillo MA, Capri M, Franceschi C, Schlatterer K, Gminski R, Fitzner R, Tauber R, Schuderer J, Kuster N, **Leszczynski D**, Bersani F, Maercker Ch. Gene expression changes in human cells after exposure to mobile phone microwaves. *Proteomics* 6, 2006, 4745-4754
19. Pastila R, **Leszczynski D**. Ultraviolet A alters adhesive properties of mouse melanoma cells. *Photodermatology Photoimmunology & Photomedicine* 21, 2005, 183-190
20. Pastila R, **Leszczynski D**. ultraviolet A exposure might increase metastasis of mouse melanoma: A pilot study. *Photodermatology Photoimmunology & Photomedicine* 21, 2005, 234-241
21. Nylund R, **Leszczynski D**. Proteomics analysis of human endothelial cell line EA.hy926 after exposure to GSM 900 radiation. *Proteomics*, 4, 2004, 1359-1365
22. **Leszczynski D**, Nylund R, Joenväärä S, Reivinen J. Applicability of Discovery Science-Approach to Determine Biological Effects of Mobile Phone Radiation. *Proteomics* 4, 2004, 426-431
23. **Leszczynski D**, Joenväärä S, Reivinen J, Kuokka R. Non-thermal activation of hsp27/p38MAPK stress pathway by mobile phone radiation in human endothelial cells: Molecular mechanism for cancer- and blood-brain barrier-related effects. *Differentiation* 70, 2002, 120-129

24. **Leszczynski D**, Pitsillides CM, Pastila RK, Anderson RR, Lin CP. Laser-beam-triggered microcavitation: A novel method for selective cell destruction. *Radiation Res.* 156, 2001, 399-407
25. Leskinen M, Wang Y, **Leszczynski D**, Lindstedt KA, Kovanen PT. Mast cell chymase induces apoptosis of vascular smooth muscle cells. *Arteriosclerosis, Thrombosis and Vascular Biology*, 21, 2001, 516-522
26. LaMuraglia G, Schiereck J, Heckenkamp J, Nigri G, Waterman P, **Leszczynski D**, Kossodo S. Vascular photodynamic therapy induces extensive apoptosis in intimal hyperplastic arteries. *Am. J. Pathol.* 157, 2000, 867-875
27. Overhaus M, Heckenkamp J, Kossodo S, **Leszczynski D**, LaMuraglia G. Photodynamic Therapy Generates a Matrix Barrier to Invasive Vascular Cell Migration. *Circulation Res.*, 86, 2000, 334-340
28. Heckenkamp J, **Leszczynski D**, Schiereck J, Kung J, LaMuraglia G. Different effects of photodynamic therapy and gamma irradiation on vascular smooth muscle cells and matrix: Implications for inhibiting restenosis. *Atherosclerosis, Thrombosis and Vascular Biology*, 19, 1999, 2154-2161
29. Heckenkamp J, Schmitz-Rixen T, Adili F, **Leszczynski D**, LaMuraglia GM. Effects of ionizing radiation on vascular smooth muscle cells and matrix: Implications for inhibiting post-interventional restenosis. *Langenbecks Archiv fuer Chirurgie*, 27, 1999, 759-764
30. **Leszczynski D**, Pitsillides CM, Anderson RR, Lin CP. Induction of apoptosis and necrosis following pulsed laser irradiation of intracellular pigment microparticles. *Optical Society of America Technical Digest*, 1999, 139-141
31. Kosma VM, Lang, S, Servomaa K, **Leszczynski D**, Rytömaa TJ. Association of p53, K-ras and proliferating nuclear antigen (PCNA) with rat lung lesions following exposure to simulated nuclear fuel particles. *Cancer Detection and Prevention*, 23, 1999, 194-203
32. **Leszczynski D**, Fagerholm S, Leszczynski K. The effects of the broadband UV-A radiation on myeloid leukemia cells: the possible role of protein kinase C in mediation of UV-A-induced effects. *Photochem. Photobiol.*, 64, 1996, 936-942
33. **Leszczynski D**, Joenväärä S, Foegh ML. Protein kinase C- $\alpha$  regulates proliferation but not apoptosis in rat coronary vascular smooth muscle cells. *Life Sciences*, 58, 1996, 599-606
34. **Leszczynski D**, Dunsy K, Josephs MD, Zhao Y, Foegh ML. Angiopeptin, a somatostatin-14 analogue, decreases adhesiveness of rat mononuclear cells to unstimulated and IL-1 $\beta$ -activated endothelium. *Life Sciences* 57, 1995, PL217-PL223
35. **Leszczynski D**, Leszczynski K, Servomaa K. Long-wave ultraviolet radiation causes increase of membrane-bound fraction of protein kinase C in rat myeloid leukemia cells. *Photodermatol. Photoimmunol. Photomed.* 11, 1995, 124-130
36. **Leszczynski D**. Regulation of cell cycle and apoptosis by protein kinase C in rat myeloid leukemia cell line. *Oncology Res.* 7, 1995, 471-480
37. **Leszczynski D**, Zhao Y, Luokkamäki M, Foegh ML. Apoptosis of vascular smooth muscle cells. Protein kinase C and oncoprotein Bcl-2 are involved in regulation of apoptosis in non-transformed rat vascular smooth muscle cells. *Am. J. Pathol.* 145, 1994, 1265-1270
38. **Leszczynski D**, Servomaa K, Kosma VM, Lang S, Rytömaa T. Radiation-induced concomitant overexpression of p53mutant, p62c-fos and p21N-ras in mouse epidermis in vivo. *Cell Proliferation* 27, 1994, 517-528
39. **Leszczynski D**, Josephs MD, Foegh ML. IL-1 $\alpha$ -stimulated leucocyte-endothelial adhesion is regulated in part by the cyclic-GMP-dependent signal transduction pathway. *Scand. J. Immunol.* 39, 1994, 551-556
40. **Leszczynski D**, Zhao Y, Cathapermal SS, Nilsson J, Foegh ML. Rat heart smooth muscle cells express high and low affinity receptors for somatostatin-14, which are involved in regulation of cell proliferation. *Life Sciences* 53, 1993, 1663-1674
41. **Leszczynski D**, Zhao Y, Yeagley TJ, Foegh ML. Direct and endothelial cell-mediated effect of cyclosporin A on the proliferation of rat smooth muscle cells in vitro. *Am. J. Pathol.* 142, 1993, 149-155
42. **Leszczynski D**, Josephs MD, Fournier RS, Foegh ML. Angiopeptin, the octapeptide analogue of somatostatin, decreases rat heart endothelial cell adhesiveness for mononuclear cells. *Regulatory Peptides* 43, 1993, 131-140
43. **Leszczynski D**, Halttunen J, Tiisala S, Ustinov J, Renkonen R, Häyry P. Properties of B cells and Thy-1-antigen-expressing cells infiltrating rat renal allografts. *Human Immunol.* 29, 1990, 103-109
44. **Leszczynski D**, Ustinov J. Protein-kinase-C-regulated production of prostacyclin by rat endothelium is increased in the presence of lipoxin A4. *FEBS Lett.* 263, 1990, 117-120
45. **Leszczynski D**, Häyry P. Effect of GM-CSF on the endothelial antigenicity. *Human Immunol.* 28, 1990, 175-178

46. **Leszczynski D.** Interleukin-1 alpha inhibits the effects of gamma-interferon and tumor necrosis factor alpha on the expression of the major histocompatibility antigens by the rat endothelium. *Am. J. Pathol.* 136, 1990, 229-237
47. Tiisala S, **Leszczynski D**, Halttunen J, Nemlander A, Paavonen T, Renkonen R, Häyry P. The frequency of B cells secreting antibodies against donor MHC antigens in rats rejecting renal allografts. *Transplant Int.* 3, 1990, 86-91
48. **Leszczynski D**, Häyry P. Eicosanoids are regulatory molecules in gamma-interferon-induced endothelial antigenicity and adherence for leucocytes. *FEBS Lett.* 242, 1989, 383-386
49. Renkonen R, Mattila P, **Leszczynski D**, Häyry P. Leukotriene B4 increases the lymphocyte binding to endothelial cells. *FEBS Lett.* 235, 1988, 67-70
50. **Leszczynski D**, Laszczynska M, Halttunen J, Häyry P. Renal target structures in acute allograft rejection. A histochemical study. *Kidney Int.* 31, 1987, 1311-1316
51. Nemlander A, **Leszczynski D**, Halttunen J, Renkonen R, Soots A, Häyry P. Evidence that thymectomized, bone marrow reconstituted rats do not reject their allografts. *Transplantation* 44, 1987, 662-668
52. Ferry B, Halttunen J, **Leszczynski D**, Schellekens H, Meide PH, Häyry P. Impact of class II MHC antigen expression on the immunogenic potential of isolated rat vascular endothelial cells. *Transplantation* 44, 1987, 499-503
53. **Leszczynski D**, Ferry B, Schellekens H, Meide PHvd, Häyry P. Antagonistic effects of gamma interferon and steroids on tissue antigenicity. *J. Exp. Med.* 164, 1986, 1470-1477
54. Häyry P, Ferry B, **Leszczynski D**, Manca F, Jaakkola M, Halttunen J, von Willebrand E. Generation and breakdown of a vicious cycle in context of acute allograft rejection. *Transplant. Proc.* 17 (suppl. 4), 1986, 52-62 (review)
55. **Leszczynski D**, Renkonen R, Häyry P. Bone marrow transplantation in the rat. III. Structure of the liver inflammatory lesion in acute graft versus host disease. *Am. J. Pathol.* 120, 1985, 316-322
56. **Leszczynski D**, Renkonen R, Häyry P. Turnover of dendritic cells in rat heart. *Scand. J. Immunol.* 22, 1985, 351-355
57. **Leszczynski D**, Renkonen R, Häyry P. Localization and turnover rate of rat renal "dendritic" cells. *Scand. J. Immunol.* 21, 1985, 355-360
58. **Leszczynski D**, Kawiak J. Isolation and properties of nonspecific esterase of murine L1210 leukemia cells. *Acta histochem.* 30 (suppl.), 1984, 137-144
59. **Leszczynski D.** Localization of nonspecific esterases in muose lymphoid leukemia L1210 cells. *Folia Histochem. Cytochem.* 21, 1983, 45-47

#### **Articles in International Peer-Reviewed Conference Proceedings [30]**

1. **Leszczynski D.** How reliable is the science behind safety standards for mobile phones? *Proceedings of the 6th International Workshop on Biological Effects of EMFs 2010, October 10-15, 2010, Bodrum, Turkey (CD-rom collection;*  
<http://www.istanbul.edu.tr/6internatwshopbioeffemf/cd/pdf/plenary/HOW%20RELIABLE%20IS%20THE%20SCIENCE%20BEHIND%20SAFETY.pdf>)
2. **Leszczynski D.** From molecules and pathways to cell physiology: A high throughput screening perspective. (Key speech #1) *Proceedings of the 5<sup>th</sup> International EMF Seminar in China: Electromagnetic Fields and Biological Effects, April 16-19, 2009, Hangzhou, China, pp 11-12*
3. **Leszczynski D.** Overview of the present status of transcriptomics and proteomics research into biological effects of EMF and the outcome of the 2005 WHO Workshop in Helsinki. *Proc. 28<sup>th</sup> Bioelectromagnetics Society Meeting, Cancun, Mexico, 2006, pp 465-467*
4. Falzone N, Huyser C, le Roux Fourie F, Franken DR, **Leszczynski D.** In vitro exposure of human spermatozoa to 900 MHz GSM radiation: effect on apoptosis and functionality. *Proc. 28<sup>th</sup> Bioelectromagnetics Society Meeting, Cancun, Mexico, 2006, pp 470-474*
5. **Leszczynski D.** Mobile telephony - do we need precaution? A scientist's perspective. *Proc. VALDOR 2006 Meeting, Stockholm, Sweden 2006, pp 402-403*
6. **Leszczynski D.** Overview of the present status and future directions of research into biological effects of EMF using high-throughput screening techniques. *Proceedings of the 28<sup>th</sup> Assembly of URSI, New Delhi, India, 23-29.10.2005 (file K03.1 - 01199)*
7. **Leszczynski D.** Activation of cellular stress response by RF-EMF and its possible impact on cell physiology. *Proceedings of the 28<sup>th</sup> Assembly of URSI, New Delhi, India, 23-29.10.2005 (file K02.7 - 01576)*
8. **Leszczynski D.** Effect of GSM mobile phone radiation on blood-brain barrier. *Proceedings of the 27<sup>th</sup> General Assembly of URSI, August 2002, Maastricht, The Netherlands*

9. **Leszczynski D.** Phosphorylation of hsp27 - the molecular mechanism for mobile phone radiation-induced increase in blood-brain barrier permeability. *Proceedings of the 24<sup>th</sup> Annual Meeting of the BEMS, June 23-27, 2002, Quebec City, Quebec, Canada, pp6-8*
10. Adlkofer F, Tauber R, Jahn O, Wobus AM, Trillo A, **Leszczynski D**, Kolb HA, Bersani F, Lagroye I, Kuster N, Clementi F. Risk evaluation of potential environmental hazards from low energy electromagnetic field exposure using sensitive in vitro methods (REFLEX): First results. *Proceedings of the 5<sup>th</sup> International Congress of the EBEA, September 6-8, 2001, Helsinki, Finland, pp54-56*
11. **Leszczynski D**, Joenväärä S, Reivinen J. RF-EMF-exposure-induced activation of cellular signal transduction and stress pathways leads to changes in gene and protein expression. *Proceedings of the 5<sup>th</sup> International Congress of the EBEA, September 6-8, 2001, Helsinki, Finland, pp21-23*
12. **Leszczynski D**, Joenväärä S, Reivinen J. RF-EMF-exposure induces changes in gene and protein expression. *Proceedings of the 23<sup>rd</sup> Annual Meeting of the BEMS, June 10-14, 2001, St.Paul, MN, USA, pp61-62*
13. **Leszczynski D**, Joenväärä S, Reivinen J. Elucidation of the effects of RF-EMF exposure on protein and gene expression using proteomics approach. (invited talk) *Book of Abstracts of the International Symposium on Electromagnetics in Biology and Medicine, April 2-4, 2001, University of Tokyo, Japan, pp76-77*
14. **Leszczynski D**, Joenväärä S. Proteomic approach towards determining cellular response to RF-EMF exposure: A pilot study. *Proceedings of the Millennium International Workshop on Biological Effects of Electromagnetic Fields, Ed. P. Kostarakis & P. Stavroulakis, 2000, pp176-184, ISBN 960-86733-0-5*
15. Servomaa K, **Leszczynski D**, Lang S, Kosma VM, Rytömaa T. Apparent radiation-specific point mutation in the tumor suppressor gene p53 in malignant lung tumors in rat. *in Molecular Mechanisms in Radiation Mutagenesis and Carcinogenesis, Eds. K.H.Chadwick, R.Cox, HP. Leenhouts, J.Thacker, ECSC-EC-EAEC, Brussels, Luxembourg, 1994, pp223-228*
16. Tiisala, S., **Leszczynski, D.**, Halttunen, J., Nemlander, A., Renkonen, R., Häyry, P. The specificity of B cells in rats rejecting kidney allograft. *Transplant. Proc. 22, 1990, 128*
17. **Leszczynski D**, Halttunen J, Renkonen R, Ustinov J, Tiisala S, Häyry P. Thy-1 antigen expressing cells in the allograft rejection. *Transplant. Proc. 22, 1990, 131*
18. **Leszczynski D**, Häyry P. Granulocyte-macrophage colony-stimulating factor diminishes interferon-gamma-induced class I major histocompatibility complex antigen expression by endothelium with prostacyclin as intermediary. *Transplant. Proc. 22, 1990, 132*
19. Halttunen J, Partanen T, **Leszczynski D**, Rinta K, Häyry P. Rat aortic allografts: a model for chronic vascular rejection. *Transplant. Proc. 22, 1990, 125*
20. **Leszczynski D**, Häyry P. Gamma-interferon induced endothelial cell effects are regulated by eicosanoids. *Transplant. Proc. 21, 1989, 145-146*
21. **Leszczynski D**, Häyry P. Effects of inflammatory lymphokines on Ia-expression and lymphocyte binding to vascular endothelium. *Transplant. Proc. 20, 1988, 517-518*
22. **Leszczynski D**, Schellekens H, Häyry P. Vascular endothelium in allograft rejection. *Transplant. Proc. 20, 1988, 262-263*
23. Häyry P, **Leszczynski D**, Paavonen T, Nemlander A, Meide P, Schellekens H. Leukocyte binding and Ia-expression in vascular endothelium. *Transplant. Proc. 19 (suppl. 5), 1987, 42-43*
24. Renkonen, R., **Leszczynski, D.**, Wangel, A., Häyry, P. Characteristics and functions of inflammatory cells isolated from acute graft-versus-host disease target organs after bone marrow transplantation in the rat. *Transplant. Proc. 19, 1987, 2689*
25. **Leszczynski D**, Laszczynska M, Halttunen J. Renal target structures in acute allograft rejection. *Transplant. Proc. 19, 1987, 378*
26. Ferry B, **Leszczynski D**, Halttunen J, Häyry P. Regulation of graft antigenicity and immunogenicity by gamma interferon and steroids. *Transplant. Proc. 19, 1987, 249*
27. Halttunen J, Ferry B, **Leszczynski D**. Immunogenic potential of capillary bed components in rat renal allografts. *Transplant. Proc. 19, 1987, 242*
28. Häyry P, Ferry B, **Leszczynski D**, Willebrand Ev, Schellekens H. Regulation of class II MHC antigen expression and graft immunogenic potential. *Transplant. Proc. 18, 1986, 1355*
29. Renkonen R, **Leszczynski D**, Häyry P. Cytological manifestations of acute graft versus host disease in the rat. *Transplant. Proc. 18, 1986, 111*
30. Nemlander A, **Leszczynski D**, Paavonen T, Soots A, Häyry P. In situ effector pathways of allograft destruction. *Transplant. Proc. 17, 1985, 612*