



Curriculum Vitae

Personal information **Dariusz Śladowski**

Work experience

1. Employer: Medical University of Warsaw
 - Start date: 1987
 - End date:
 - Position: Assistant Professor
 - Activities: Tissue banking, Transplantology, Tissue engineering, in vitro toxicology
 - Country: Poland
2. Employer: FRAME Laboratory, Queens Medical Centre University of Nottingham Medical School
 - Start date: 1991
 - End date: 1992
 - Position: Scientist
 - Activities: Development of a new in vitro toxicological tests. Cell and tissue culture.
 - Country: United Kingdom
3. Employer: European Centre for Validation of Alternative Methods; Joint Research Centre; European Commission
 - Start date: 1998
 - End date: 2003
 - Position: Visiting Scientist
 - Activities: From 1998 to 2003 three subsequent visits (together: 2 years work experience). Development of alternative tests and testing strategies, evaluation of validation studies. Organization of expert meeting on the use of human cells and tissues for research.
 - Country: Italy
4. Employer: Euroimplant S.A.
 - Start date: 2007
 - End date: 12/2011
 - Position: VicePresident
 - Activities: Co-founder and Vice President of the biotech company which is quoted on a stock market from 2008. R&D, Tissue banking.
 - Country: Poland

Education and training

1. Subject: Medical University of Warsaw
 - Start date: 1981
 - End date: 1987
 - Qualification: Medical Doctor
 - Organisation:
 - Country: Poland
2. Subject: Medical University of Warsaw
 - Start date: 03/2014
 - End date:
 - Qualification: Habilitation
 - Organisation: Developnet of a new in vitro toxicological test systems
 - Country: Poland

Additional information

Publications

1. Piasek, A., D. Śladowski, T. Pacuszka, J. Zielenski, A. Slomiany, and B.L. Slomiany, Endocytosis by macrophages of free and liposome entrapped peroxidase; Effect of glycolipids. *Colloq.N.Y.Acad.Sci*, 1985. 3rd(50): p. 33_34. 2. Pawłowski, A., J. Malejczyk, T. Slubowski, D. Śladowski, and S. Moskalewski, Prevention of the resorption of costal cartilage transplants subjected to the action of hydrochloric acid. *Otolaryngol Pol*, 1986. 40(1): p. 25_33. 3. Piasek, A., D. Śladowski, T. Pacuszka, J. Zieleński, A. Slomiany, and B.L. Slomiany, Internalization by macrophages of peroxidase entrapped within the glycolipid-enriched liposomes. *Fed.Proc.*, 1987. 44: p. 6122. 4. Śladowski, D.T., Badania mineralizacji protez zastawek sercowych: Próba opracowania metody konserwacji zapobiegającej wapnieniu, in Department of Transplantology. 1990, Warsaw Medical University: Warsaw. p. 1_142. 5. Górecki, D. and D. Śladowski, Liposomy i ich wykorzystanie, in *Ultrastruktura i funkcja komórki*, J.O. Kawiak, Z.; Jakóbskiak, M., Editor. 1991, Państwowe Wydawnictwo Naukowe: Warszawa. p. 240_270. 6. Śladowska, B.S., M.; Śladowski, D.; Przedlacki, J.; Wardyn, K.; Ostrowski K., Current Therapy in Nephrology, V.E.D.C. Andreucci, A., Editor. 1992, Wichtig Editore: Milan. p. 56_59. 7. Fiedor, P., W. Glinkowski, A. Kwiatkowski, W. Rowiński, and D. Śladowski, Zastosowanie laserów generujących promieniowanie w bliskiej podczerwieni w leczeniu trudno gojących się ran, in VII Krajowa Szkoła Optoelektroniki _ Zastosowanie laserów w medycynie. 1993: Zegrze. p. 54_69. 8. Glinkowski, W., P. Szczypiorski, M. Serafin Król, D. Śladowski, and P. Fiedor, Lasery niskoenergetyczne w ortopedii i medycynie sportowej. 1993: Zegrze. p. 70_101. 9. Lewandowska_Szumieł, M., J. Klein, D. Śladowski, R. Pykało, and J. Komendr, Reakcja tkanek na implantację różnych materiałów węglowych po krótkiej obserwacji. *Inżynieria Biomateriałowa*, 1993. XIV: p. 130_31. 10. Śladowski, D., The complement photoactivation assay (prot. no. 77), in *INVITTOX*. 1993, ECVAM JRC European Commissions: Ispra. p. 1_5. 11. Śladowski, D., S. S, G. Moor L., R., R. Clotier, and M. Balls, Preliminary findings of an in vitro assay based on human complement activation for the detection of chemicals with phototoxicity potential. *Altern Lab Anim*, 1993. 21: p. 509_12. 12. Śladowski, D., S.J. Steer, R.H. Clothier, and M. Balls, An improved MTT assay. *J Immunol Methods*, 1993. 157(1_2): p. 203_7. 13. Śladowski, D., Biologiczne protezy zastawek sercowych, in *Konserwowanie Tkanek dla Potrzeb Chirurgii Odtworczej*, J. E Komender, Editor. 1994, Warsz.A.M.: Warszawa. p. 19_23. 14. Śladowski, D., Mitochondrial medicine, in *Cytophysiology*, S. E Moskalewski, Editor. 1994, Medical Univ. of Warsaw: Warsaw. p. 11_21. 15. Śladowski, D. and

M. Balls, The complement photoactivation assay, in *In vitro skin toxicology*, H.I. Maibach, Editor. 1994, Marry Ann Liebert: NY. p. 235_41. 16. Śladowski, D., a. Pawłowski, and A. Szymczakowski, Sposób wytwarzania utrwalonej tkanki naturalnej do implantacji, in *Biuletyn Urzędu Patentowego RP*. 1994: Polska. p. 125. 17. Śladowski, D., S. Steer, R. Clothier, and M. Balls, Use of filtration plate in the MTT assay. *Toxicol In Vitro*, 1994. 8(4): p. 739_41. 18. Śladowski, D.T., S.J. Steer, L. Moore, A. Willshaw, R.H. Clothier, and M. Balls, The complement activation assay: the test for immediate phototoxicity. *Toxicol In Vitro*, 1994. 8(4): p. 513_15. 19. Spielmann, H., W.W. Lovell, E. Holzle, B.E. Johnson, T. Maurer, M.A. Miranda, W.J. Pape, O. Sapora, and D. Śladowski, In vitro phototoxicity testing. *Altern Lab Anim*, 1994. 22: p. 314_48. 20. Śladowski, B., R. Gellert, D. Danielewska_Michalska, D. Śladowski, and K. Ostrowski, Bone mineral density in women over 40 years of age with end stage renal disease. *E Varro, V*, in 22nd Congress of the International Society of Internal Medicine, R. de Chatel, Editor. 1994, Monduzzi Editore: Bologna. p. 193_96. 21. Śladowska, B., R. Gellert, D. Śladowski, and K. Ostrowski, Ocena mineralizacji tkanki kostnej u chorych ze schyłkową niewydolnością nerek powyżej 40 roku życia. *Med.Sci.Monitor*, 1994. 1(1): p. 79_85. 22. Balls, M., M.J. Blauboer, J.H. Fentem, L. Bruner, B. Combes, B. Ekwall, R.J. Fiedler, A. Guillouzo, R.W. Lewis, D.P. Lovel, C.A. Reinhardt, G. Repeto, and D. Śladowski, Practical aspects of validation of toxicity test producers. *Altern Lab Anim*, 1995. 23: p. 129_47. 23. Śladowski, D., G. Gut, B. Śladowska, and J. Komender, Toksyczne działanie promieniowania optycznego na tkanki, in *Zarys klinicznych zastosowań laserów*, P. Fiedor, T. Kećik, Z. Niechoda, Z. Nowakowski, M. Nowicki, W. Otto, M. Pirożyński, and E. Stanowski, Editors. 1995, Dom wydawniczy "Ankar": Warszawa. p. 77_85. 24. Śladowski, D.T., S.J. Steer, B.M. Śladowska, R.H. Clothier, and M. Balls, Difference between immediate and delayed phototoxicity: Concept of the battery of two in vitro phototoxicity tests, in *Alternative Methods in Toxicology and The Life Sciences*, A.M. Goldberg and V.Z. L.F.M., Editors. 1995, Marry Ann Liebert: NY. p. 305_10. 25. Komender, J., H. Malczewska, D. Śladowski, and A. Komender, Allogenic preserved costal cartilage in reconstructive surgery. *Ann Transplant*, 1997. 2(1): p. 49_51. 26. Rudowski, R., D. Śladowski, R. Radomski, and J. Galletly, The development of multimedia database INVITTOX, in *Developments in Animal and Veterinary Sciences*, L.F.M. Van Zutpen and M. Balls, Editors. 1997, Elsevier: Amsterdam. p. 499_505. 27. Śladowski, D., A. Dąbrowska, and M. Balls, The combined cell/complement assay, in *Developments in Animal and Veterinary Sciences*, L.F.M. Van Zutpen and M. Balls, Editors. 1997, Elsevier: Amsterdam. p. 597_605. 28. Anderson, R., M. O'Hare, M. Balls, M. Brady, D. Brahams, A. Burt, C. Chesne, R. Combes, A. Dennison, B. Garthoff, G. Hawksworth, E. Kalter, A. Lechat, D. Mayer, V. Rogiers, D. Śladowski, J. Southee, J. Trafford, J. van der Valk, and A.M. van Zeller, The Availability of Human Tissue for Biomedical Research: The Report and Recommendations of the ECVAM Workshop 32. *Altern Lab Anim*, 1998. 26(6): p. 763_77. 29. Spielmann, H., M. Balls, J. Dupuis, W.J. Pape, G. Pechovitch, O. DeSilva, H.G. Holzthutter, R. Clothier, P. Desolle, F. Gerberick, M. Liebsch, W.W. Lovell, T. Maurer, U. Pfannenbecker, J.M. Potthast, M. Csato, D. Śladowski, W. Steiling, and P. Brantom, The international EU/COLIPA in vitro photoirritancy validation study. *Altern Lab Anim*, 1998. 12(3): p. 305_27. 30. Dąbrowska, A., D. Śladowski, P. Krajewski, and J. Komender, The quality of heart valve tissue for homograft transplantation. *J Heart Valve Dis*, 2000. 9(4): p. 517_22. 31. Śladowski, D., Regulation of the use of animals in research in Poland, and the development of alternatives. *Altern Lab Anim*, 2000. 28(6): p. 869_70. 32. Anderson, R., M. Balls, M.D. Burke, M. Cummins, D. Fehily, N. Gray, M.G. de Groot, H. Helin, C. Hunt, D. Jones, D. Price, L. Richert, R. Ravid, D. Shute, D. Śladowski, H. Stone, W. Thasler, J. Trafford, J. van der Valk, T. Weiss, C. Womack, and T. Ylikomi, The establishment of human research tissue banking in the UK and several western European countries. The report and recommendations of ECVAM Workshop 44. *Altern Lab Anim*, 2001. 29(2): p. 125_34. 33. Lesiak_Cyganowska, E., D. Śladowski, E. Jankowska, and J. Komender, In vitro culture of human epithelial cells on a modified xenogenic collagen support. *Arch Immunol Ther Exp (Warsz)*, 2001. 49(3): p. 253_9. 34. Lesiak_Cyganowska, E., D. Śladowski, and J. Komender, Modification of collagen film by certain chemical agents. *Arch Immunol Ther Exp (Warsz)*, 2001. 49(3): p. 247_51. 35. Praller, W., M. Balls, R. Clothier, S. Coecke, P. Dierickx, B. Ekwall, B.A. Hanley, T. Hartung, P. Prieto, M.P. Ryan, G. Schmuck, D. Śladowski, J.A. Vericat, A. Wendel, A. Wolf, and J. Zimmer, Novel advanced in vitro methods for long term toxicity testing: the report and recommendations of ECVAM workshop 45. European Centre for the Validation of Alternative Methods. *Altern Lab Anim*, 2001. 29(4): p. 393_426. 36. Śladowski, D., *Medycyna Mitochondrialna, in Histologia z elementami biologii molekularnej*, S. Moskalewski and W. Sawicki, Editors. 2001, Akademia Medyczna: Warszawa. p. 74_84. 37. Śladowski, D., A. Kinsner, I. Langezaal, S. Kay, and S. Coecke, Activation of the complement system as an indicator of pyrogenic reaction to lipopolysaccharide (LPS). *Toxicol In Vitro*, 2001. 15(4_5): p. 339_42. 38. Dziedzic_Gocławska, A., A. Kamiński, A. Komender, E. Lesiak_Cyganowska, M. Lewandowska_Szumiel, P. Skopiński, R. Sotowski, D. Śladowski, and A. Wojtowicz, Konserwowanie tkanek dla potrzeb chirurgii odtwórczej, in *Fizjologia molekularna komórki*, S. Moskalewski and W. Sawicki, Editors. 2002: Warszawa. p. 194_222. 39. Kinsner, A., E. Lesiak_Cyganowska, and D. Śladowski, In vitro reconstruction of human skin on a composite collagen material. *Cell and Tissue Banking*, 2002. 2: p. 165_171. 40. Komender, J., W. Marczyński, D. Tylman, H. Malczewska, A. Komender, and I. D., Preserved tissue allografts in reconstructive surgery. *Cell and Tissue Banking*, 2002. 2: p. 103_112. 41. Śladowski, D. and M. Halder, ECVAM'S Activities in the EU Candidate Countries. *Altern Lab Anim*, 2002. 30 Suppl 2: p. 203_5. 42. Śladowski, D., A. Komender, and J. Komender, Preserved allogenic rib cartilage in reconstructive surgery, in *Advances in Tissue Banking*, G. Phillips, Editor. 2002, World Scientific: Singapore. p. 175_186. 43. Kinsner, A., E. Lesiak_Cyganowska, K. Lipski, and D. Śladowski, Odtworzenie skóry ludzkiej in vitro na bazie kompozytu kolagenowego, in *Przeszczep walce z kalectwem _40_lat bankowania i sterylizacji radiacyjnej tkanek w polsce*, A. Dziedzic_Gocławska, K. Ostrowski, J. Komender, J. Michalik, W. Stachowicz, and G. Gut, Editors. 2004: Warszawa. p. 285_289. 44. Śladowski, D., G. Gut, K. Lipski, and J. Truchanowicz, Bankowanie komórek i tkanek do celów badawczych, in *Przeszczep walce z kalectwem _40_lat bankowania i sterylizacji radiacyjnej tkanek w polsce*, A. Dziedzic_Gocławska, K. Ostrowski, J. Komender, J. Michalik, W. Stachowicz, and G. Gut, Editors. 2004: Warszawa. p. 333_337. 45. Stammati, A., R.D. Combes, D. Śladowski, J. van der Valk, and B.J. Blauboer, Thirteenth international workshop on In Vitro Toxicology. *Toxicol In Vitro*, 2005. 19(7): p. 843_4. 46. Śladowski, D., R. Combes, J. van der Valk, I. Nawrot, and G. Gut, ESTIV questionnaire on the acquisition and use of primary human cells and tissue in toxicology. *Toxicol In Vitro*, 2005. 19(7): p. 1009_13. 47. Śladowski, D., A. Komender, J. Komender, and H. Malczewska, Preserved allogenic rib cartilage in reconstructive surgery, in *Clinical applications of bone allografts and substitutes Biology and clinical applications.*, G. Phillips, Editor. 2005, World Scientific: Singapore. p. 127_139. 48. Śladowski, D., I. Liberek, K. Lipski, T. Ozga, J. Olkowska_Truchanowicz, and J. Szaflik, Culture of the primary corneal epithelium as a potential component of test batteries for eye irritancy testing. *Toxicol In Vitro*, 2005. 19(7): p. 875_8. 49. Lipski, K., K. Ostrowski, J. Komender, and D. Śladowski, The role of endothelium in vessels formation. *Advances in cell biology*, 2006. 33(1): p. 59_71. 50. Lipski, K., K. Ostrowski, J. Komender, and D. Śladowski, The role of endothelium in development, tissues and organ formation. *Advances in cell biology*, 2006. 33(1): p. 95_103. 51. Śladowski, D., A. Wasiutynski, G.M. Wilczynski, I. Grabska_Liberek, S. Coecke, A. Kinsner, and I. Kochanowska, Expression of the membrane complement regulatory proteins (CD55 and CD59) in human tissues. *Folia Histochem. at Cytobiol.*, 2006. 44(3): p. 263_267. 52. Wilczek, E., M. Mazurkiewicz, M. Otto, D. Śladowski, B. Gornicka, G.M. Wilczynski, and A. Wasiutynski, [The effect of retinoic acid on primary cultures of human pheochromocytoma cells.]. *Endokrynol Pol*, 2006. 57(Suppl A): p. 82_87. 53. Gut, G. and D. Śladowski, Mechanical properties of bone fixation devices prepared from a human allogenic bone. *Transplant Proc*, 2007. 39(9): p. 2920_2. 54. Nawrot, I., B. Wozniak, T. Tolloczko, A. Sawicki, A. Gorski, W. Chudzinski, M. Wojtaszek, W. Grzesiuk, D. Śladowski, J. Karwacki, T. Zawitkowska, and J. Szmidi, Allotransplantation of cultured parathyroid progenitor cells without immunosuppression: clinical results. *Transplantation*, 2007. 83(6): p. 734_40. 55. Wilczek, E., R. Rzepko, D. Nowis, M. Legat, J. Golab, M. Glab, A. Gorlewicz, F. Konopacki, M. Mazurkiewicz, D. Śladowski, B. Gornicka, A. Wasiutynski, and G.M. Wilczynski, The possible role of factor H in colon cancer resistance to complement attack. *Int J Cancer*, 2008. 122(9): p. 2030_7. 56. Śladowski, D., Grabska_Liberek I, Olkowska_Truchanowicz J, Lipski K, Gut G. An evaluation of sterilisation processes. *Altern Lab Anim*. 2008 Nov;36(5):585_90. 57. Barriers to validation: a report by the European Partnership for Alternative Approaches to Animal Testing (EPAA) Working Group 5. Ahr HJ, Alepée N, Breier S, Brekelmans C, Cotgreave I, Gribaldo L, Dal Negro G, De Silva O, Hartung T, Lacerda A, Leblanc B, Lecerf C, Linge JP, Louhimies S, Manou I, Maxwell G, Müller KK, Pape W, Redhead K, Schröder KR, Śladowski D, van der Jagt K, Vanparys P. *Altern Lab Anim*. 2008 Sep;36(4):459_64. 58. Fluvastatin increases tyrosinase synthesis induced by alpha-melanocyte stimulating hormone in B16F10 melanoma cells. Galus R, Niderla J, Śladowski D, Sajjad E, Włodarski K, Józwiak J. *Pharmacol Rep*. 2010 Jan-Feb;62(1):164_9. 59. Grabska_Liberek I., R. Galus, W. Owczarek, K. Włodarski, S. Zabielski, J. Malejczyk and D. Śladowski (2013). "[Collagen based dressings in the treatment of wound healing]." *Pol Merkur Lekarski* 35(205): 51_54. 60. Śladowski D. "Bioreactor" Patent PL 01/13(PL 213196 B1): 1_4. 61. Wilczek E., Wasiutynski A., Śladowski D., Wilczynski G.M., Gornicka B.: " The expression of membranous complement inhibitors

CD46, CD55 and CD59 in the primary and metastatic colon cancer cell lines derived from the same patient"; *Centr Eur J Immunol* 2013; 38 (4): 549_555 62. Wilczek E., Wasiutynski A., Śladowski D., Wilczynski G.M., Górnicka B.: "Comparison of the expression of complement regulatory proteins CD46, CD55 and CD59 in primary colon cancer and synchronous/ metachronous liver metastases": *Centr Eur J Immunol* 2013; 38 (4): 543_548 63. Ireneusz Nawrot, Bogdan Woźniewicz, Jacek Szmidt, Dariusz Śladowski, Krzysztof Zając, Witold Chudziński; Xenotransplantation of human cultured parathyroid progenitor cells into mouse peritoneum does not induce rejection reaction *Experimental immunology Centr Eur J Immunol* 2014; 39 (3): 279_284 64. Elżbieta Hejchman, Przemysław Taciak, Sebastian Kowalski, Dorota Maciejewska, Agnieszka Czajkowska, Julia Borowska, Dariusz Śladowski, Izabela Młynarczyk-Biały; Synthesis and anticancer activity of 7-hydroxycoumarinyl gallates *PharmRep*. 2015 Pages 236_244 65. Salmikangas, P., Menezes_Ferreira, M., Reischl, I., Tsiftoglou, A., Kyselovic, J. Borg, J.J., Ruiz, S., Flory, E., Trouvin, J. H., Celis, P., Ancans, J., Timon, M., Pante, G., Śladowski, D., Lipnik Stangelj, M. and Schneider, CK. Manufacturing, characterisation and control of cell-based medicinal products - challenging paradigms towards commercial use. *Regen.Med.* 2015 10 (1) 1_14 66. Śladowski D. *Advanced Therapy Medicinal Products (ATMP)*. Almanach Vol.10 No3, 64_67 2015 67. Agnieszka Skowryra, Dariusz Śladowski, Julita Majczyk-Ionescu, Iwona Grabska-Liberek. The role of the complement system in ocular Diseases. *Klinika Oczna* 2017, 119 (1) 52_56 68. Photocytotoxicity studies of polyamidoamine (PAMAM) dendrimer and its glucoheptoamidated derivative as delivery drug systems in local PUVA photochemotherapy. Katarzyna Borowska, Sebastian Radej, Ryszard Galus, Dariusz Śladowski, Wiktor Paskal, Dawid Mehlich, Stanisław Wołowicz. *Our Dermatol Online*. 2017;8(4e):e1. 69. Clinical Development and Commercialization of Advanced Therapy Medicinal Products in the European Union: How Are the Product Pipeline and Regulatory Framework Evolving? Boráň T, Menezes_Ferreira M, Reischl I, Celis P, Ferry N, Gänsbacher B, Krafft H, Lipucci di Paola M, Śladowski D, Salmikangas P. *Hum Gene Ther Clin Dev*. 2017 Sep;28(3):126_135. 70. Reconstruction method for extended depth_of_field optical diffraction tomography. Reconstruction method for extended depth_of_field optical diffraction tomography. Krauze W, Kuś A, Śladowski D, Skrzypek E, Kujawińska M. *Methods*. 2017 Oct 1 71. Dominant ELOVL1 mutation causes neurological disorder with ichthyotic keratoderma, spasticity, hypomyelination and dysmorphic features. Kutkowska_Kaźmierczak A, Rydzanicz M, Chlebowski A, Kłosowska_Kosicka K, Mika A, Gruchota J, Jurkiewicz E, Kowalewski C, Pollak A, Stradomska TJ, Kmieć T, Jakubowski R, Gasperowicz P, Walczak A, Śladowski D, Jankowska_Steifer E, Korniszewski L, Kosińska J, Obersztyn E, Nowak W, Siedziński T, Dziembowski A, Płoski R. *J Med Genet*. 2018 Mar 1. pii: jmedgenet_2017_105172. doi: 10.1136/jmedgenet_2017_105172. 72. Cell and Gene Therapies: European View on Challenges in Translation and How to Address Them. Rousseau CF, Maćiulaitis R, Śladowski D, Narayanan G. *Front Med (Lausanne)*. 2018 May 28;5:158 73. The Rs and Alternatives in the Visegrad (V4) Countries. *Book The History of Alternative Test Methods in Toxicology* Cervinka M., Forgacs, Z., Kandarova H., and Dariusz Śladowski _ 1st Edition. ISBN 9780128136973, 59_69. 74. New Treatment of Wound Healing With Allogenic Acellular Human Skin Graft: Preclinical Assessment and In Vitro Study *Transplantation Proceedings* 2020 75. Transplantation of a New Biological Product in Rare Diseases, Such as Epidermolysis Bullosa: Response and Clinical Outcome *Piszczycski, J., Nita, M., Kowalewski, C., Woźniak, K., Eljaszewicz, A., Moniuszko, M., Kamiński, A., Śladowski, D, Zimek, Z., Majewski, S, Kosieradzki, M., Fiedor, P.* *Transplantation Proceedings* 2020 76. Variable degree of mosaicism for tetrasomy 18p in phenotypically discordant monozygotic twins_Diagnostic implications. *Mol Genet Genomic Med* _e1526 2020_12_14 Rydzanicz M, Olszewski P, Kedra D, Davies H, Filipowicz N, Bruhn_Olszewska B, Cavalli M, Szczaluba K, Młynek M, Machnicki MM, Stawiński P, Kostrzewa G, Krajewski P, Śladowski D, Chrzanowska K, Dumanski JP, Płoski R

Projects 1993_1996 „EU/COLIPA in vitro Phototoxicity Validation Study”. Developed method implemented into European and OECD legal system. 2001_2004 01_1M17_UE/1 „ Apomen cellcheck kit for pyrogenicity testing” . 2003_2006 „Complement inhibitors CD55 i CD59 in gastrointestinal cancer ” Ministry of Science Grant (3 PO5B 097 24) 2005_2006 „Effect of Nanoparticles on Complement System in Cell Culture Model”. US Air Force Scientific Grant FA8655_05_1_3008.5 USAF; NASA Scientific and Technical Aerospace Reports Vol 4 2007 2008_2010 „Advanced composite biomaterials” Technical Initiative I KB/126/12873/IT1_B/U/08 NCBIR

Memberships Member of the editorial Boards: 1. Cell and Tissue Banking 2003_2009 member of the ECVAM Scientific Advisory Committee (ESAC) IHCP, JRC European Commission Founding Member of the European Society for Toxicology In Vitro (2003_2005 Board member) 2003_2010 Member of the Technical Committee for Sterilisation, Polish Committee for Standardization 2005_2013 member of the National Ethics Committee for Animal Experiments. 2005_Edvisory board member; National Centre for Cell and Tissue Banking 2011_2013 member of the Interdisciplinary Expert Group for International Scientific Projects, National Center for Research and Development, Poland 2011 Member of the expert group for Patent Plus projects. National Center for Research and Development, Poland 2015_Lecturer Jagiellonian University Kraków Poland

Other Relevant Information Involved in development and validation of in vitro toxicology methods in Europe. Co-author of numerous EU guidelines and publications. Involved in tissue banking for more than 25 years. Competed numerous tissue banking courses. Competed Course in microsurgery. Expertise in planning and running international validation studies. Private Pilot License; PL_13825_PPL(A)/2003 Pending Airline Transport Pilot Licence; PL_33/ATPL(A)/2013 (theory completed) Scuba Diving License (PADI) Driving Licence Cat. B