

PERSONAL INFORMATION **Dariusz Sladowski**

WORK EXPERIENCE

- 1987- Present **Assistant Professor**
Medical University of Warsaw (Poland)
Tissue banking, Transplantology, Tissue engineering, in vitro toxicology
- 1991- 1992 **Scientist**
FRAME Laboratory, Queens Medical Centre University of Nottingham Medical School (United Kingdom)
Development of a new in vitro toxicological tests.
Cell and tissue culture.
- 1998- 2003 **Visiting Scientist**
European Centre for Validation of Alternative Methods; Joint Research Centre; European Commission (Italy)
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.
- 2007-December 2011 **VicePresident**
Euroimplant S.A. (Poland)
Co-founder and Vice President of the biotech company which is quoted on a stock market from 2008. R&D, Tissue banking.

EDUCATION AND TRAINING

- 1981- 1987 **Medical Doctor**
Medical University of Warsaw (Poland)
- March 2014- Present **Habilitation**
Medical University of Warsaw (Poland)
Development of a new in vitro toxicological test systems

ADDITIONAL INFORMATION

- Expertise**
- Tissue banking
 - Toxicology
 - Tissue engineering
 - Regeneration Medicine
 - Immunology
 - Method validation
- Publications**
- Piasek, A., D. Sladowski, 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.
 - Pawlowski, A., J. Malejczyk, T. Slubowski, D. Sladowski, 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.
 - Piasek, A., D. Sladowski, T. Pacuszka, J. Zielenski, A. Slomiany, and B.L. Slomiany, Internalization by macrophages of peroxidase entrapped within the glycolipid-enriched liposomes. Fed.Proc., 1987. 44: p. 6122.

4. Sladowski, D.T., Badania mineralizacji protez zastawek sercowych: Proba opracowania metody konserwacji zapobiegającej wapnieniu, in Department of Transplantology. 1990, Warsaw Medical University: Warsaw. p. 1-142.
5. Gorecki, D. and D. Sladowski, Liposomy i ich wykorzystanie, in Ultrastruktura i funkcja komórki, J.O. Kawiak, Z.; Jakobisiak, M., Editor. 1991, Panstwowe Wydawnictwo Naukowe: Warszawa. p. 240-270.
6. Sladowska, B.S., M.; Sladowski, 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. Rowinski, and D. Sladowski, Zastosowanie laserow generujacych promieniowanie w bliskiej podczerwieni w leczeniu trudno gojacych sie ran, in VII Krajowa Szkola Optoelektroniki - Zastosowanie laserow w medycynie. 1993: Zegrze. p. 54-69.
8. Glinkowski, W., P. Szczypiorski, M. Serafin-Krol, D. Sladowski, and P. Fiedor, Lasery niskoenergetyczne w ortopedii i medycynie sportowej. 1993: Zegrze. p. 70-101.
9. Lewandowska-Szumiel, M., J. Klein, D. Sladowski, R. Pykalo, and J. Komendr, Reakcja tkanek na implantacje roznych materialow weglowych po krotkiej obserwacji. Inzynieria Biomaterialowa, 1993. XIV: p. 130-31.
10. Sladowski, D., The complement photoactivation assay (prot. no. 77), in INVITTOX. 1993, ECVAM JRC European Commissions: Ispra. p. 1-5.
11. Sladowski, 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. Sladowski, 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. Sladowski, 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. Sladowski, D., Mitochondrial medicine, in Cytophysiology, S. E Moskalewski, Editor. 1994, Medical Univ. of Warsaw: Warsaw. p. 11-21.
15. Sladowski, 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. Sladowski, D., a. Pawlowski, and A. Szymczakowski, Sposob wytwarzania utrwalonej tkanki naturalnej do implantacji, in Biuletyn Urzedu Patentowego RP. 1994: Polska. p. 125.
17. Sladowski, 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. Sladowski, 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. Sapor, and D. Sladowski, In vitro phototoxicity testing. Altern Lab Anim, 1994. 22: p. 314-48.
20. Sladowska, B., R. Gellert, D. Danielewska-Michalska, D. Sladowski, 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. Sladowska, B., R. Gellert, D. Sladowski, 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. Sladowski, Practical aspects of validation of toxicity test producers. Altern Lab Anim, 1995. 23: p. 129-47.
23. Sladowski, D., G. Gut, B. Sladowska, and J. Komender, Toksyczne działanie promieniowania optycznego na tkanki, in Zarys klinicznych zastosowań laserów, P. Fiedor, T. Kecik, Z. Niechoda, Z. Nowakowski, M. Nowicki, W. Otto, M. Pirozynski, and E. Stanowski, Editors. 1995, Dom wydawniczy "Ankar": Warszawa. p. 77-85.
24. Sladowski, D.T., S.J. Steer, B.M. Sladowska, 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. Sladowski, and A. Komender, Allogenic preserved costal cartilage in reconstructive surgery. Ann Transplant, 1997. 2(1): p. 49-51.

26. Rudowski, R., D. Sladowski, 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. Sladowski, D., A. Dabrowska, 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. Sladowski, 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. Holzhutter, R. Clothier, P. Desolle, F. Gerberick, M. Liebsch, W.W. Lovell, T. Maurer, U. Pfannenbecker, J.M. Potthast, M. Csato, D. Sladowski, W. Steiling, and P. Brantom, The international EU/COLIPA in vitro photoirritancy validation study. *Altern Lab Anim*, 1998. 12(3): p. 305-27.
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31. Sladowski, 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. Sladowski, 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.
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35. Pfaller, W., M. Balls, R. Clothier, S. Coecke, P. Dierickx, B. Ekwall, B.A. Hanley, T. Hartung, P. Prieto, M.P. Ryan, G. Schmuck, D. Sladowski, 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. Sladowski, D., *Medycyna Mitochondrialna*, in *Histologia z elementami biologii molekularnej*, S. Moskalewski and W. Sawicki, Editors. 2001, Akademia Medyczna: Warszawa. p. 74-84.
37. Sladowski, 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-Goclawska, A., A. Kaminski, A. Komender, E. Lesiak-Cyganowska, M. Lewandowska-Szumiel, P. Skopinski, R. Sotowski, D. Sladowski, and A. Wojtowicz, Konserwowanie tkanek dla potrzeb chirurgii odtworczej, in *Fizjologia molekularna komórki*, S. Moskalewski and W. Sawicki, Editors. 2002: Warszawa. p. 194-222.
39. Kinsner, A., E. Lesiak-Cyganowska, and D. Sladowski, 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. Sladowski, D. and M. Halder, ECVAM'S Activities in the EU Candidate Countries. *Altern Lab Anim*, 2002. 30 Suppl 2: p. 203-5.
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43. Kinsner, A., E. Lesiak-Cyganowska, K. Lipski, and D. Sladowski, Odtworzenie skóry ludzkiej in vitro na bazie kompozytu kolagenowego, in *Przeszczep w walce z kalectwem -40-lat bankowania i sterylizacji radiacyjnej tkanek w polsce*, A. Dziedzic-Goclawska, K. Ostrowski, J. Komender, J. Michalik, W. Stachowicz, and G. Gut, Editors. 2004: Warszawa. p. 285-289.
44. Sladowski, D., G. Gut, K. Lipski, and J. Truchanowicz, Bankowanie komerek i tkanek do celow badawczych, in *Przeszczep w walce z kalectwem -40-lat bankowania i sterylizacji radiacyjnej tkanek*

- w polsce, A. Dziedzic-Goclawska, K. Ostrowski, J. Komender, J. Michalik, W. Stachowicz, and G. Gut, Editors. 2004: Warszawa. p. 333-337.
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 48. Sladowski, 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.
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 50. Lipski, K., K. Ostrowski, J. Komender, and D. Sladowski, The role of endothelium in development, tissues and organ formation. *Advances in cell biology*, 2006. 33(1): p. 95-103.
 51. Sladowski, 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.
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 53. Gut, G. and D. Sladowski, Mechanical properties of bone fixation devices prepared from a human allogenic bone. *Transplant Proc*, 2007. 39(9): p. 2920-2.
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74. New Treatment of Wound Healing With Allogenic Acellular Human Skin Graft: Preclinical Assessment and In Vitro Study Transplantation Proceedings 2020
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- Projects**
- 1993-1996 „EU/COLIPA in vitro Photoirritancy 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 Inderdyscyplinary 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 Jagielonian University Krakow 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.

Completed numerous tissue banking courses.

Completed 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