

**Prof. Ewa Florek Ph.D., D.Sc.**  
**Laboratory of Environmental Research**  
**Department of Toxicology**  
**University of Medical Sciences**  
**Dojazd 30, 60-631 Poznan**  
**Poland**

## **CURRICULUM VITAE**

### **PERSONAL DETAILS**

<b>Title</b>	Professor, Ph.D., D.Sc.
<b>Name</b>	EWA FLOREK
<b>Date and place of birth</b>	22 May 1952, Poznan, Poland
<b>Citizenship</b>	Polish
<b>Marital status</b>	Married
<b>Home address</b>	Polska 36, 60-595 Poznan, Poland Tel. +4861 847 47 22 Mobil tel. +48 608 488 515

### **EMPLOYEMENT**

<b>Job title</b>	Professor, Ph.D., D.Sc. – toxicologist
<b>Organisation name</b>	University of Medical Sciences
<b>Department</b>	Laboratory of Environmental Research, Department of Toxicology
<b>Street number and name</b>	30 Dojazd
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## **EDUCATION**

INSTITUTION AND LOCATION	DEGREE	DATE	FIELD OF STUDY
University of Medical Sciences, Poznan, Poland	Master of Pharmacy	1977	Pharmacy
University of Medical Sciences, Poznan, Poland	Philosophy Doctor (Ph.D.)	1981	Toxicology
University of Medical Sciences, Poznan, Poland	Habilitation (D.Sc.)	1997	Toxicology
University of Medical Sciences, Poznan, Poland	First degree of specialization	1998	Pharmaceutical analysis
University of Medical Sciences, Poznan, Poland	Professor	2003	Toxicology

## **PROFESSIONAL APPOINTMENTS**

1977 – 1984  
Senior researcher                      Chair and Department of Toxicology, University of Medical Science Poznan, Poland

1984 – present  
Head of Laboratory                      Laboratory of Environmental Research, Chair and Department of Toxicology of University of Medical Sciences, Poznan, Poland

## **LANGUAGES**

Fluent in: Polish, French, English, Russian

## **MEMBERSHIPS**

Polish Toxicological Society  
1977 – present                      Member of the Polish Toxicological Society  
2002 – present                      Chair of the Board of Revision  
1997 – present                      Expert of the Polish Toxicological Society  
1997 – 2000                      Secretary, Board of Experts and Expertise

Polish Pharmaceutical Society  
1998 – present                      Member of the Polish Pharmaceutical Society

Poznan Society of Friends of Sciences

2006 – present

Secretary of the IV<sup>th</sup> Department of Medicine

## **OTHER ACTIVITIES**

1995 – 2002

Consultant in Tobacco  
and Nicotine Research

Cancer Centre and Institute of Oncology, Warsaw,  
Poland

2000 – present

Chair

Local Ethics committee on Animal Experimentation  
Poznan, Poland

2003 – present

Project reviewer

6<sup>th</sup> Framework Programme for Research, Technological  
Development and Demonstration – European  
Commission

2005 – present

Member

Working group on harmonized data collection methods  
created by the Regulatory Committee under Article 10  
of the Tobacco Product Directive and according to  
Article 7 of the Committees Rules of Procedures –  
European Commission, Directorate C – Public Health and  
Risk Assessment

2005 – present

Expert, Project review

Spanish Ministry of Health and Consumer's Affairs

2006 – present

Expert

European Registered Toxicologist, Eurotox

2006-2007

Contractor

European grant – Smokefree Class Competition, a  
school-based Polish coordinator smoking prevention  
project 2006/2007; EC 2005325

2006-2009

Contractor

European grant – Implementation of EUDAP Project  
(European Polish coordinator Drug Addiction Prevention  
trial) at a population level; EC 2005312

2007-2008

Contractor  
Polish coordinator

European grant – Smokefree Class Competition a school-  
based smoking prevention project 2007/2008; EC  
2006321

2007 – present	A representative of the Ministry of Health in the Tobacco Laboratory Experts and Tobacco Regulators World Health Organization
2007 – present	A representative of the Ministry of Health in the Tobacco Products Regulatory Committee European Commission
2008 – 2009	European Grant – Electronic Model Tobacco Control (EMTOC), 2008/2009; EC 2007312
2008 – 2009	European Grant – Expert Toxicological Assessment of Smoke Constituents (ETASC), 2008/2009

## **POSTGRADUATE TRAINING**

1988	Delft University of Technology, The Netherlands
1991	Université Paris val de Marne, Faculté de Médecine de Créteil, Hôpital Henri Mondor, France
1995	WHO, Cancer Centre-Institute of Oncology, Warsaw, Poland „A Global Approach to Strengthening Tobacco Control” - Action Plan for a Tobacco-free Europe”
1997	Cancer Centre-Institute of Oncology, Warsaw, Poland The UICC Central and Eastern No Smoking Day. “Evaluation and Planning Workshop”
1998	Bremer Institut für Präventionsforschung und Sozialmedizin (BIPS), Bremen, Deutschland
1999	Hospital Centre, Le Havre, France Research Visiting Fellow, Laboratory of Toxicology
1999	Laboratoire de Pharmacocinétique et de Toxicologie au Centre Hospitalier du Havre, Le Havre, France TEMPUS JEP–11383-96
1999	Perkin-Elmer, Le Havre, France ”L’Environnement”
2001	European Centre for the Validation of Alternative Methods (ECVAM), Institute for Health and Consumer Protection (IHCP) and Joint

- Research Centre (JRC) European Commission, Warsaw, Poland  
„The implementation of Directive 86/609/EEC in Poland”
- 2001 European Centre for the Validation of Alternative Methods (ECVAM),  
Ispra, Italy  
“The validation of alternative methods for regulatory toxicity testing”
- 2002 World Health Organisation, U.S. Environmental Protection Agency,  
Cancer Centre-Institute of Oncology, Warsaw, Poland
- 2002 World Health Organisation  
European Ministerial Conference for a Tobacco-free Europe, Warsaw,  
Poland
- 2002 Swedish Cancer Society  
The Second European Symposium on Smoking in Pregnancy,  
Djurönäset, Sweden
- 2003 Université Européenne d’Été UEE – 2003  
Environnement et Santé: methods d’étude de l’impact sanitaire des  
pollutions industrielles, Nancy, France
- 2006 Institut für Pharmakologie und Toxicologie der Bundeswehr, Ärztliche  
Fortbildung in Bayern in Zusammenarbeit mit der Bayerischen  
Landesärztekammer – Akademie für ärztliche Fortbildung. 10  
Medizinische C-Schutz Tagung, München, Germany
- 2006 Institute of Technology – International Faculty Forum in Environmental  
Health, Dublin, Ireland

## **AVARDS**

Scientific Group Award

Polish Minister of Health and Social Care, Warsaw, Poland, 1995

Scientific Individual Award

Rector of the University of Medical Sciences, Poznan, Poland, 1998

Scientific Group Award

Rector of the University of Medical Sciences, Poznan, Poland, 2000

Individual Scientific Award

National Board of The Polish Pharmaceutical Society, Warsaw, Poland,  
2000

Golden Honour Award

Health Promotion Foundation, Warsaw, Poland, 2002

## **TEACHING EXPERIENCE**

- Supervisor      Ph.D. thesis – 2 finished (2004, 2007), 2 in progress, University of Medical Sciences, Poznan, Poland
- Master thesis – 28, Faculty of Pharmacy, University of Medical Sciences, Poznan, Poland (1978 – present)
- Young scientist research – Students Scientific Association, University of Medical Sciences, Poznan, Poland
- Lecturer        Toxicology lecture – graduate courses – Faculty of Pharmacy, University of Medical Sciences, Poznan, Poland (2002 – present)
- Toxicology lecture – graduate courses, Faculty of Chemical Technology, Engineering University of Poznan at Gniezno, Poland (1998 – 2002)
- Laboratory training - Faculty of Pharmacy and Faculty of Healthcare Managing, University of Medical Sciences, Poznan, Poland (1977 – present)
- Toxicology lecture – graduate courses, Faculty of Chemical Technology, Engineering University in Poznan (2006 – present)
- Tobacco smoke – courses for school teacher (post-graduate education) (2000 – 2001)
- Tobacco smoke – courses for medical doctors, pharmacist, nurses, health care managers (post-graduate education) (2000 – present)

## **AREAS OF SCIENTIFIC ACTIVITY**

### Evaluation of toxicity

- Short and long time toxicity
- Neurotoxicity
- Mutagenicity
- Embriotoxicity
- Influence of xenobiotics on fertility, fecundity and reproduction

### Drug of abuse study

- Epidemiology of tobacco smoke
- Influence of tobacco smoke on pregnant woman and foetus
- Genotoxic effect of tobacco smoke
- Biochemical effects of tobacco smoke

Biomarkers of tobacco exposition  
Interaction of tobacco smoke with drugs and alcohol  
Determination of tobacco specific carcinogens in biological fluids  
Driving under influence of alcohol and drug  
Determination of drug of abuse in biological materials

Environmental health

Air pollution  
Environmental epidemiology

Public health

Health education/promotion

## SELECTED SCIENTIFIC PUBLICATION

1. Wąsowicz M., Żurawski P., Florek E., Seńczuk W., Biczysko W.: Retardation of lung development after maternal cigarette smoking and low protein diet in animal model. *Patologia Polska*, 1994, 45, 155-162.
2. Biczysko W., Wąsowicz M., Marszałek A., Florek E.: The entrance of surface active material to pulmonary capillaries in the lungs of newborn rats. *Folia Histochemica et Cytobiologica*, 1995, 33, 25-31.
3. Florek E.: The impact of chosen xenobiotics and low-protein diet on fertility, reproduction ability and the offspring of rats. Part II. The level of carboxyhemoglobin in blood after exposure to tobacco smoke. *Acta Poloniae Toxicologica*, 1996, 4, 41-47.
4. Florek E.: Effect of low-protein diet on the p-aminophenol level in the urine of rats exposed to aniline. *Acta Poloniae Toxicologica*, 1996, 4, 48-54.
5. Szymanowski K., Florek E.: Estimation of the influence of aniline and low-protein diet on rats placenta. *Acta Poloniae Toxicologica*, 1999, 7, 105-113.
6. Florek E., Marszałek A., Biczysko W., Szymanowski K.: The experimental investigations of the toxic influence of tobacco smoke affecting progeny during pregnancy. *Human and Experimental Toxicology*, 1999, 18, 245-251.
7. Hanke W., Kalinka J., Florek E., Sobala W.: Passive smoking and pregnancy outcome in central Poland. *Human and Experimental Toxicology*, 1999, 18, 265-271.
8. Florek E., Marszałek A.: An experimental study of the influences of tobacco smoke on fertility and reproduction. *Human and Experimental Toxicology*, 1999, 18, 272-278.
9. Biczysko W., Wąsowicz M., Marszałek A., Florek E.: Why do the lungs of premature newborns function improperly? A morphological study of the connective tissue and vascular compartments in the developing lung. *Archives of Perinatal Medicine*, 1999, 5, 19-26.
10. Florek E., Adamek R.: Awareness of health consequences of smoking among pregnant women – Poznań research. *Interaction*, 1999, 12, 19.
11. Biczysko W., Wąsowicz M., Marszałek A., Florek E.: Why do the lungs of premature newborns function improperly? A morphological study of the connective tissue and vascular compartments in the developing lung. *Archives of Perinatal Medicine*, 1999, 5, 19-26.
12. Adamek R., Adamek A., Florek E.: The role of health promotion in creating attitudes regarding to environment. *Polish Journal of Environmental Studies*, 1999, 8, Supl. II, 68-70.

13. Florek E., R. Adamek: The Prevalence of Maternal Smoking in Poznań Area - Anti-Smoking Intervention Needed. *Interaction*, 2000,13,19.
14. Marszałek A., Biczysko W., Wąsowicz M., Florek E.: Influence of tobacco smoke on gas stabilization in newborn rat lung. W: *Tobacco: The Growing Epidemic*. Rushan Lu, Judith Mackay, Shiru Niu, Richard Peto (Eds). Springer-Verlag, London, Berlin, Heidelberg, 2000, 129-130. ISBN 1-85233-296-4.
15. Florek E., Marszałek A.: Survival index of offspring of smoking mothers: An animal model. W: *Tobacco: The Growing Epidemic*. Rushan Lu, Judith Mackay, Shiru Niu, Richard Peto (Eds). Springer-Verlag, London, Berlin, Heidelberg, 2000, 128-129. ISBN 1-85233-296-4.
16. Czekał P., Wiaderkiewicz A., Florek E., Wiaderkiewicz R.: Expression of cytochrome CYP 2B1/2 in nonpregnant, pregnant and fetal rats exposed to tobacco smoke. *Acta Biochimica Polonica*, 2000, 47, 1115-1127.
17. Florek E., Tądrowska M., Kokocha A., Szyfter K.: DNA lesions in blood lymphocytes of rat exposed to tobacco smoke studied by *comet assay*. Implications for reproduction. *Acta Poloniae Toxicologica*, 2000, 8, 255-261.
18. Florek E., Marszałek A., Wrzosek J.: Anti-tobacco health education - a prevention programme for pregnant women. *Pregnant women and tobacco in Poland*. *Interaction*, 2001, 14, 22-23.
19. Pawlak A., Strauss E., Florek E.: Low activity of the *ahr* gene in the *ahr dd* C57BL congenic mice does not prevent the depression of birth rates observed as result of cigarette smoke exposure. *Folia Histochemica et Cytobiologica*, 2001, 39, Suppl. 2, 79-80.
20. Florek E., Piekoszewski W., Wrzosek J.: Exposure to environmental tobacco smoke (ETS) among women in procreation age in the Wielkopolska region. *Interaction*, 2002, 15, 19.
21. Florek E., Piekoszewski W., Moczko J., Jenner B.: Driving under the influence of prescribed drugs in Poland – questionnaire studies. *Alcohol, Drugs and Traffic Safety – T 2000*. Ed. D. Maythew and C. Dussault, Montreal, Canada, 2002.
22. Piekoszewski W., Madej T., Lata S., Florek E.: Intoxication au méthanol: etude toxicocinétique. *Annales de Toxicologie Analytique*, 2002, 14, 100-104.
23. Florek E., Wrzosek J., Piekoszewski W.: Effect of tobacco smoke exposure on superoxide dismutase and glutathione peroxidase activities in rats' lungs, erythrocytes and placenta. *INIS Monographs*, Edts. U. Heinrich, U. Mohr, *Crucial Issues in Inhalation Research – Mechanistic, Clinical and Epidemiologic*. Fraunhofer IRB Verlag, 2002, 339-348. ISBN 3-8167-6176-3.

24. Florek E., Szymanowski K., Wrzosek J., Piekoszewski W., Biczysko W., Marszałek A.: The influence of simultaneous whole body exposure to cigarette smoke and low protein diet feeding on fertility, reproduction and progeny of rats. *Human and Experimental Toxicology*, 2002, 21, 615-621.
25. Czekaj P., Pałasz A., Lebda-Wyborny T., Nowaczyk-Dura G., Karczewska W., Florek E., Kamiński M.: Morphological changes in lungs, placenta, liver and kidneys of pregnant rats exposed to cigarette smoke. *Int. Arch. Occup. Environ. Health*, 2002, 75, 27-35.
26. Czekaj P., Pałasz A., Donica E., Florek E.: Distribution of selected metals in pregnant and foetal rat tissues under exposure to cigarette smoke. *Acta Pol. Toxicol.*, 2002, 10, 169-179.
27. Szymanowski K., Florek E., Mikołajczyk M., Skrzypczak J.: Integrin pattern in rats endometrium after endometriosis induction. *Pol. J. Gynaecol. Invest.*, 2002, 5, 293-298.
28. Szymanowski K., Mikołajczyk M., Rączyńska P., Florek E., Skrzypczak J.: Integrin pattern in rats endometrium after endometriosis excision. *Pol. J. Gynaecol. Invest.*, 2002, 5, 299-302.
29. Florek E., Piekoszewski W., Wrzosek J.: Relationship between the level and time of exposure to tobacco smoke and urine nicotine and cotinine concentration. *Pol. J. Pharmacol.*, 2003, 55, 97-102.
30. Florek E., Piekoszewski W., Wrzosek J.: Tobacco Smoke Exposure of Pregnant Women and Their Progeny. *Interaction*, 2003, 16, 18.
31. Nowak G., Szewczyk B., Sadlik K., Piekoszewski W., Trela F., Florek E., Pilc A.: Reduced potency of zinc to interact with NMDA receptors in hippocampal tissue of suicide victims. *Pol. J. Pharmacol.*, 2003, 55, 455-459.
32. Marszałek A., Biczysko W., Wąsowicz M., Surowiak P., Zabel M., Florek E.: Localisation of the exogenous surfactants in cell membranes in the air-blood barrier: rat model. *Folia Morphologica*, 2003, 62, 377-379.
33. Florek E., Piekoszewski W., Rybakowski Ł., Moczko J.: Using the questionnaire and cotinine concentration in urine for study smoking habit and exposure to ETS of pregnant women. *Przeg. Lek.*, 2004, 61, 993-996.
34. Florek E., Piekoszewski W., Bręborowicz G.H., Pach D., Pasich A.: Application of questionnaire and biomarkers for evaluation of tobacco smoking by delivering women. *Przeg. Lek.*, 2004, 61, 345-347.
35. Adamek R., Florek E., Piekoszewski W., Bręborowicz G.H.: The socio-economic status of women smoking during pregnancy and birth weight of their newborns. *Przeg. Lek.*, 2004, 61, 1006-1011.

36. Adamek R., Florek E., Bręborowicz G.H., Anholcer A., Kaczmarek E.: The awareness of health consequences of active and passive smoking and access to the information of these consequences in the population of pregnant women. *Przeg. Lek.*, 2004, 61, 1012-1015.
37. Florek E., Kornacka M.K., Hubert A., Wilimowska J., Basior A.: The level of cotinine in urine and placenta of women smoking or exposure to tobacco smoke during pregnancy. *Przeg. Lek.*, 2004, 61, 1090-1093.
38. Warmuz-Stangierska I., Czarnywojtek A., Florek E., Sowiński J.: Smoking among thyroid patients. *Przeg. Lek.*, 2004, 61, 1077-1079.
39. Florek E., Ignatowicz E., Piekoszewski W., Wrzosek J., Czekaj P., Kozanecka A., Bartkowiak A.: Experimental assessment of exposition to the tobacco smoke and its effect on superoxide dismutase and glutathione peroxidase activities. *Przeg. Lek.*, 2004, 61, 1098-1100.
40. Florek E., Ignatowicz E., Piekoszewski W., Wachowiak A., Wrzosek J., Moczko J., Czekaj P., Ślusarska E.: Tobacco smoke effects the activity of superoxide dismutase, glutathione peroxidase and total antioxidant status in pregnant and non-pregnant animals. *Przeg. Lek.*, 2004, 61, 1104-1108.
41. Florek E., Piekoszewski W., Kornacka M.K., Koroniak H., Wolna M., Król A.: Determination of cadmium in urine of tobacco smoking pregnant women. *Przeg. Lek.*, 2004, 61, 1109-1112.
42. Czekaj P., Wiaderkiewicz A., Florek E., Wiaderkiewicz R.: Tobacco smoke dependent changes in cytochrome P450 1A1, 1A2, and 2E1 protein expressions in fetuses, newborns, pregnant rats, and human placenta. *Archives of Toxicology*, 2005, 79, 13-24.
43. Scislowski M., Piekoszewski W., Kamenczak A., Florek E.: Simultaneous Determination of Buprenorphine and Norbuprenorphine in Serum by High-Performance Liquid Chromatography-Electrospray Ionization Mass Spectrometry (HPLC-ESI-MS). *J. Anal. Toxicol.* 2005, 29, 249-253.
44. Florek E., Ignatowicz E., Wrzosek J., Piekoszewski W.: Effect of rutine on total antioxidant status of rats exposed to cigarette smoke. *Pharmacological Reports*, 2005, 57, 84-89.
45. Wilimowska J., Piekoszewski W., Krzyżanowska-Kierepka E., Florek E.: Monitoring of verapamil enantiomers concentration in overdose – case report. *Clinical Toxicology*, 2006, 44, 169-171.

46. Nowakowska E., Kus K., Florek E., Czubak A., Jodynis-Liebert J.: The influence of tobacco smoke and nicotine on antidepressant and memory-improving effects of venlafaxine. *Human and Experimental Toxicology*, 2006, 25, 1-11.
47. Wilimowska J., Florek E., Piekoszewski W.: Disposition of Valproic Acid in Self-Poisoned Adults. *Basic & Clinical Pharmacology & Toxicology*, 2006, 99, 22-26.
48. Wójcik J., Dudek D., Schlegel-Zawadzka M., Grabowska M., Marcinek A., Florek E., Piekoszewski W., Nowak R.J., Opoka W., Nowak G.: Antepartum/postpartum depressive symptoms and serum zinc and magnesium levels. *Pharmacological Reports*, 2006, 58, 571-576.
49. Florek E., Piekoszewski W., Bręborowicz G.H., Kornacka M.K.: The effect of environmental tobacco smoke on birth parameters of a newborn. *Archives of Perinatal Medicine*, 2007, 13, 25-29.
50. Florek E., Piekoszewski W., Bręborowicz G.H., Kornacka M.K., Lechowicz W., Kulza M.: Biomarkers of carcinogenic compounds of tobacco smoke constituents in the urine of delivering women. *Archives of Perinatal Medicine*, 2007, 13, 55-60.
51. Florek E., Piekoszewski W., Hubert A., Kornacka M.K.: Active and Passive Smoking during Pregnancy on Newborn Health. Ed. Thomas C. Jeffries, Nova Science, Hauppauge NY USA, 2007, chapter IX, pp. 193-239. ISBN 1-60021-686-2.