

BIOGRAPHICAL SKETCH

NAME Gurzau, Eugen Stelian		POSITION TITLE MD, Environmental Health Specialist PhD	
eRA COMMONS USER NAME (credential, e.g., agency login) Gurzau E		Prof. Environmental Health and Toxicology Scientific Director	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Medicine and Pharmacy Cluj-Napoca, Romania	M.D.	1984	Medicine
University of Medicine and Pharmacy Bucharest, Romania	M.D., residency	1990	Hygiene and Community Health
University of Medicine and Pharmacy Bucharest	Ph.D.	1994	Medicine/Toxicology
Romanian Academy of Medical Sciences	Member	1995	Environmental Health
Romanian Academy of Medical Sciences	Senior researcher	1996	Hygiene and Community Health

A. Positions and Honors.

Positions and Employment

1984 - 1986 GP, County Hospital Zalau, Romania
 1986 - 1990 Medical residency, Environmental Health, Institute of Public Health, Cluj-Napoca
 1990 - 1994 Senior Researcher, Institute of Public Health Cluj Napoca
 Head of Environmental Epidemiology Unit, Institute of Public Health Cluj Napoca
 1994 - 1997 Director, Institute of Public Health Cluj Napoca
 1997 - 2001 Director, Environmental Health Center Cluj Napoca
 2002 - present Scientific Director, Environmental Health Center Cluj Napoca
 2002 - present Professor, School of Environmental Sciences and Engineering, Babes-Bolyai University, Cluj-Napoca
 2013 - present Professor, Department of Toxicology, University of Medicine and Pharmacy, Cluj Napoca
 2016 - present Professor, Head Environmental Health Unit, Cluj School of Public Health, Babes-Bolyai University, Cluj-Napoca

Other Experience and Professional Memberships (selective)

1987- present - Member, National Hygiene Society
 1991-1998 - Secretary, Romanian association of Biominerals
 1993, 1995, 1997, 2000, 2001, 2005, 2006 - Member, National Hygiene Committee, Ministry of Health
 1993, 1995, 1997, 2000, 2001, 2005, 2006 - Member, National Hygiene Committee, Ministry of Health
 1994 -1998 - Team leader – Zlatna project, EHP (Environmental Health Project), USAID
 1995 - present Member, International Society of Environmental Epidemiology (ISEE)
 1995 – present Full Member, Romanian Academy of Medical Sciences
 1996, 1999, 2000 - Invited speaker - Environmental Epidemiology Unit, London School of Hygiene and Tropical Medicine, London
 1997 - Invited speaker - University of Iowa
 1999 - Invited Lecturer at Nova Gorita University in collaboration with CIREH from IOWA University, (Environmental Epidemiology Course)
 2001 - Consultant (Scientific Group on Methodology for Safety and Evaluation of Chemicals) responsible for Iron Case, Study, and Integration bioavailability and bioaccessibility in risk assessment policy decision making, Schmallerberg, Germany- NIEHS, USA
 2001 - 2008 - Vice President Romanian Industrial Hygiene Association
 2004 – present - Member in the Board of Environmental Partnership for Mining
 2006 - 2010 - EPA Grant Coordinator for CEECHE conferences
 2007, 2010, 2011, 2012, 2013, 2014 - Invited speaker – Yale School of Public Health & School of Medicine

2008 - 2009 - WHO invited speaker (selective); International meeting on Children's Health and the Environment, Rio de Janeiro, Brazil, 2008, The Third WHO International Conference on Children's Health and the Environment: Busan, Republic of Korea
 2009-2012 - President of the CEE Chapter of the ISEE
 2009, 2011, 2012, 2013, 2014, 2015 - Invited speaker – State University of New York (SUNY), Albany
 2009 - present - PhD Coordinator, Environmental Health, Babes Bolyai University
 2010 - 2011 - Mentor for summer internships, Eurasian University, EHC, Cluj
 2009 - present - Preceptor for summer internships, Yale School of Public Health, EHC, Cluj
 2010 - present - Mentor for summer internships, State University of New York (SUNY), EHC, Cluj

B. Selected peer-reviewed publications (in chronological order - selective).

1. **Gurzau ES**, Gurzau AE - Respiratory status of schoolchildren living in two cities of different air quality (Tarnaveni – Gherla), *Int.Journal of Aerosol Medicine*. **1993**; 6 (Suppl.1/59).
2. Clench-Aas J and Waller RE. (Members: Ball DJ, Carrozzi L, Cameron K, Gompertz D, Gorynski P, **Gurzau ES**, Haluszka J, Jakubowski M, Jedrychowski W, Lercher P, Loomis D, Richards RJ, Rudnai P, Smith LM, Strahl P, Victorin K, Wagner M, Witschi H-P - Understanding the uncertainties. Report R1. Working group 2: Health effects of air pollution Published by the Institute for Environment and Health © Institute for Environment and Health ISBN 1899110003, **1994**.
3. **Gurzau ES**, Niciu EM, Surdu S, Bodor E, Costin I, and Maier A. -Environmental Health Assessment of irritants and heavy metals in Transylvania, Romania, *Central European. J. of Occup. and Environm. Medicine* **1995**;1/1: 63-67.
4. Surdu S, Gurzau A, **Gurzau ES**, Curseu D, and Faraian D. Risk assessment/communication in a lead contaminated area of Romania, - *Central European Journal of Public Health*. **1998**; 6/2:123–126.
5. Billig P, **Gurzau ES**, Vultur C, Stoica A, Filimon V, and Puscas M. -Innovative intersectoral approach reduces blood lead's levels of children and workers in Romania, *Int. J. of Occup. & Environm. Health*. 1999; 5/1:50-56..
6. H.Vasken Aposhian, **Eugen S.Gurzau**, X.Cris Le, Anca Gurzau, Sheila M.Healy, et al.Occurrence of monomethylarsonous acid in urine oh humans exposed to inorganic arsenic., - *Chemical Research Toxicology*. **2000**; 13/8: 693-697.
7. **Gurzau ES**, Gurzau AE. Arsenic in Drinking Water from Groundwater in Transylvania, Romania: an Overview. - *Arsenic Exposure and Health Effects*. WR Chappell,CO Abernathy and RL Calderon (editors). **2001**; Elsevier Science B.V.:181-184.
8. Xiufen Lu, Zhilong Gong, Mingsheng Ma, William R. Cullen, H. Vasken Aposhian, **Gurzau ES**, X. Chris Le. Speciation of human urinary arsenic including the trivalent methylation metabolites, - *Arsenic Exposure and Health Effects IV*. **2001**; Elsevier, Oxford. 339-352.
9. Wald P. (guest technical editor), Gurzau A, **Gurzau E.**, Hall A., Kosnet M., Koudka P. D., Marcus S., Stela Ramboiu, Rock S., Ruttenber J., Snyder J., Sudakin D., Waang R., Weiss J., Yip L. Case Studies in Environmental Medicine: Radiation Exposure from Iodine-131 Monograph, - U. S. Department of Health and Human Services, Agency for Toxic Substances and Disease Registry, February **2001**. <http://www.atsdr.cdc.gov/HEC/CSEM/iodine/index.html>
10. Leonardi GS, Houthuijs D, Nikiforov B, Volf J, Rudnai P, Zejda J, **Gurzau ES**, Fabianova E, Fletcher T, Brunekeef B - Respiratory symptoms, bronchitis and asthma in children of Central and Eastern Europe., - *Eur Respir J*. **2002**; 20: 890-898.
11. Caussy D., Gochfeld M., **Gurzau E.S.**, Neagu C., Ruedel H - Lessons from case studies of metals: investigating exposure, bioavailability, and risk, -. *Ecotoxicol Environ Saf*. **2003** Sep;56(1):45-51.
12. **Gurzau Eugen S.**, Neagu Corneliu, Gurzau Anca Elena - Essential metals--case study on iron, *Ecotoxicol Environ Saf*. **2003** Sep;56(1):190-200.
13. Ranjit Kumar Thirumaran, Justo Lorenzo Bermejo, Peter Rudnai, **Eugen Gurzau**, Kvetoslava Koppova, Walter Goessler, Marie Vahter, Giovanni S. Leonardi, Felicity Clemens, Tony Fletcher, Kari Hemminki, Rajiv Kumar – Single nucleotide polymorphisms in DNA repair genes and basal cell carcinoma of skin, *Carcinogenesis Advance Access published online on February 25, 2006*
14. **Gurzau ES**, Gurzau AE, Neamtiu I, Coman A – Integration of metal bioavailability in risk assessment policy decision making. RN Hull (eds), *Strategies to Enhance Environmental Security in Transition Countries*, 349-348, Ed. Springer. **2007**
15. Wilkening S, Hemminki K, Rudnai P, **Gurzau E**, Koppova K, Forsti A, Kumar R – No association between MDM2 SNP309 promoter polymorphism and basal cell carcinoma of the skin, *Br J Dermatol*, **2007** Jun; 175:3029
16. Anna-Lena Lindberg, Rajiv Kumar, Walter Goessler, RANjiit Thirumaran, **Eugen Gurzau**, Kvetoslava Koppova, Peter Rudnai, Giovanni Leonardi, Tony Fletcher, Marie Vahter – Metabolism of low-dose inorganic arsenic in

- central European population: influence of sex and genetic polymorphisms, *Environ Health Perspect*, **2007** July; 115(7):1081-6
17. Surdu S, Neamtiu I, **Gurzau E**, Kasler I and Carpenter D. -Blood lead levels and hand lead contamination in children ages 4-6 in Copsa Mica, Romania, *Environmental Health in Central and Eastern Europe*. KC Donnelly and LH Cizmas, Eds. Springer Netherlands. pp. 123-134, **2007**.
 18. Dominique Scherer, Justo Lorenzo Bermejo, Peter Rudnai, **Eugen Gurzau**, Kvetoslava Koppova, Kari Hemminki, Rajiv Kumar – MC1R variants associated susceptibility to basal cell carcinoma of skin: Interaction with host factors and XRCC3 polymorphism, *Int J Cancer*, **2007** Dec; 115(7): 1081-6
 19. Scherer D, Bermejo JL, Rudnai P, **Gurzau E**, Koppova K, Hemminki K, Kumar R - MC1R variants associated susceptibility to basal cell carcinoma of skin: interaction with host factors and XRCC3 polymorphism, *Int J Cancer*. **2008** Apr 15;122(8):1787-93.
 20. Anca E. Gurzau, Alexandru Coman, **Eugen S. Gurzau**, Marinela Penes, Daniela Dumitrescu, Dorin Marcean, and Ioan Chera - Pesticides Use in Rural Settings in Romania, *World Academy of Science, Engineering and Technology*: 94-96, 44, **2008**
 21. Gudbjartsson DF, Sulem P, Stacey SN, Goldstein AM, Rafnar T, Sigurgeirsson B, Benediktsdottir KR, Thorisdottir K, Ragnarsson R, Sveinsdottir SG, Magnusson V, Lindblom A, Kostulas K, Botella-Estrada R, Soriano V, Juberías P, Grasa M, Saez B, Andres R, Scherer D, Rudnai P, **Gurzau E**, Koppova K, Kiemeney LA, Jakobsdottir M, Steinberg S, Helgason A, Gretarsdottir S, Tucker MA, Mayordomo JI, Nagore E, Kumar R, Hansson J, Olafsson JH, Gulcher J, Kong A, Thorsteinsdottir U, Stefansson K -ASIP and TYR pigmentation variants associate with cutaneous melanoma and basal cell carcinoma, *Nat Genet*. **2008** Jul;40(7):886-91. Epub 2008 May 18 ISSN 1061-4036
 22. Kiemeney LA, Thorlacius S, Sulem P, Geller F, Aben KK, Stacey SN, Gudmundsson J, Jakobsdottir M, Bergthorsson JT, Sigurdsson A, Blondal T, Witjes JA, Vermeulen SH, Hulsbergen-van de Kaa CA, Swinkels DW, Ploeg M, Cornel EB, Vergunst H, Thorgeirsson TE, Gudbjartsson D, Gudjonsson SA, Thorleifsson G, Kristinsson KT, Mouy M, Snorraddottir S, Placidi D, Campagna M, Arici C, Koppova K, **Gurzau E**, Rudnai P, Kellen E, Polidoro S, Guarrera S, Sacerdote C, Sanchez M, Saez B, Valdivia G, Ryk C, de Verdier P, Lindblom A, Golka K, Bishop DT, Knowles MA, Nikulasson S, Petursdottir V, Jonsson E, Geirsson G, Kristjansson B, Mayordomo JI, Steineck G, Porru S, Buntinx F, Zeegers MP, Fletcher T, Kumar R, Matullo G, Vineis P, Kiltie AE, Gulcher JR, Thorsteinsdottir U, Kong A, Rafnar T, Stefansson K. - Sequence variant on 8q24 confers susceptibility to urinary bladder cancer, *Nat Genet*. **2008** Sep 14. ISSN 1061-4036
 23. Stacey SN, Gudbjartsson DF, Sulem P, Bergthorsson JT, Kumar R, Thorleifsson G, Sigurdsson A, Jakobsdottir M, Sigurgeirsson B, Benediktsdottir KR, Thorisdottir K, Ragnarsson R, Scherer D, Rudnai P, **Gurzau E**, Koppova K, Höiom V, Botella-Estrada R, Soriano V, Juberías P, Grasa M, Carapeto FJ, Tabuenca P, Gilaberte Y, Gudmundsson J, Thorlacius S, Helgason A, Thorlacius T, Jonasdottir A, Blondal T, Gudjonsson SA, Jonsson GF, Saemundsdottir J, Kristjansson K, Bjornsdottir G, Sveinsdottir SG, Mouy M, Geller F, Nagore E, Mayordomo JI, Hansson J, Rafnar T, Kong A, Olafsson JH, Thorsteinsdottir U, Stefansson K - Common variants on 1p36 and 1q42 are associated with cutaneous basal cell carcinoma but not with melanoma or pigmentation traits, *Nat Genet*. 2008 Nov;40(11):1313-8. Epub 2008 Oct 12. PMID: 18849993 [PubMed - in process] – Web of Science. ISSN 1061-4036
 24. Rafnar T, Sulem P, Stacey SN, Geller F, Gudmundsson J, Sigurdsson A, Jakobsdottir M, Helgadottir H, Thorlacius S, Aben KK, Blöndal T, Thorgeirsson TE, Thorleifsson G, Kristjansson K, Thorisdottir K, Ragnarsson R, Sigurgeirsson B, Skuladottir H, Gudbjartsson T, Isaksson HJ, Einarsson GV, Benediktsdottir KR, Agnarsson BA, Olafsson K, Salvarsdottir A, Bjarnason H, Asgeirsdottir M, Kristinsson KT, Matthiasdottir S, Sveinsdottir SG, Polidoro S, Höiom V, Botella-Estrada R, Hemminki K, Rudnai P, Bishop DT, Campagna M, Kellen E, Zeegers MP, de Verdier P, Ferrer A, Isla D, Vidal MJ, Andres R, Saez B, Juberias P, Banzo J, Navarrete S, Tres A, Kan D, Lindblom A, **Gurzau E**, Koppova K, de Vegt F, Schalken JA, van der Heijden HF, Smit HJ, Termeer RA, Oosterwijk E, van Hooij O, Nagore E, Porru S, Steineck G, Hansson J, Buntinx F, Catalona WJ, Matullo G, Vineis P, Kiltie AE, Mayordomo JI, Kumar R, Kiemeney LA, Frigge ML, Jonsson T, Saemundsson H, Barkardottir RB, Jonsson E, Jonsson S, Olafsson JH, Gulcher JR, Masson G, Gudbjartsson DF, Kong A, Thorsteinsdottir U, Stefansson K. - Sequence variants at the TERT-CLPTM1L locus associate with many cancer types, *Nat Genet*. 2009 Feb;41(2):221-7. Epub **2009** Jan 18.
 25. Xifeng Wu, Yuanqing Ye, Lambertus A Kiemeney, Patrick Sulem, Thorunn Rafnar, Giuseppe Matullo, Daniela Seminara, Teruhiko Yoshida, Norihisa Saeki, Angeline S Andrew, Colin P Dinney, Bogdan Czerniak, Zuo-feng Zhang, Anne E Kiltie, D Timothy Bishop, Paolo Vineis, Stefano Porru, Frank Buntinx, Eliane Kellen, Maurice P Zeegers, Rajiv Kuma, Peter Rudnai, **Eugene Gurzau**, Kvetoslava Koppova, Jose Ignacio Mayordomo, Manuel Sanchez, Berta Saez, Annika Lindblom, Petra de Verdier, Gunnar Steineck, Gordon B Mills, Alan Schned, Simonetta Guarrera, Silvia Polidoro, Shen-Chih Chang, Jie Lin, David W Chang, Katherine S Hale, Tadeusz Majewski, H Barton Grossman, Steinunn Thorlaciu, Unnur Thorsteinsdottir, Katja K H Aben, J Alfred Witjes, Kari Stefansson, Christopher I Amos, Margaret R Karagas & Jian Gu -Genetic variation in the prostate stem cell

- antigen gene PSCA confers susceptibility to urinary bladder cancer, *Nature Genetics* 41, 991 - 995 (2009)
Published online: 2 August 2009 | online: 23 August 2009 | doi:10.1038/ng.421
26. Mariana C. Stern, Jie Lin, Jonine D. Figueroa, Karl T. Kelsey, Anne E. Kiltie, Jian-Min Yuan, Giuseppe Matullo, Tony Fletcher, Simone Benhamou, Jack A. Taylor, Donatella Placidi, Zuo-Feng Zhang, Gunnar Steineck, Nathaniel Rothman, Manolis Kogevinas, Debra Silverman, Nuria Malats, Stephen Chanock, Xifeng Wu, Margaret R. Karagas, Angeline S. Andrew, Heather H. Nelson, D. Timothy Bishop, Sei Chung Sak, Ananya Choudhury, Jennifer H. Barrett, Faye Elliot, Román Corral, Amit D. Joshi, Manuela Gago-Dominguez, Victoria K. Cortessis, Yong-Bing Xiang, Yu-Tang Gao, Paolo Vineis, Carlotta Sacerdote, Simonetta Guarrera, Silvia Polidoro, Alessandra Allione, **Eugen Gurzau**, Kvetoslava Koppova, Rajiv Kumar, Peter Rudnai, Stefano Porru, Angela Carta, Marcello Campagna, Cecilia Arici, Sung Shim Lani Park, Montserrat Garcia-Closas for the International Consortium of Bladder Cancer - Polymorphisms in DNA Repair Genes, Smoking, and Bladder Cancer Risk: Findings from the International Consortium of Bladder Cancer, *Cancer Res* 2009 69: 6857-6864. Published Online First August 25, 2009. doi: 10.1158/0008-5472.CAN-09-1091
 27. Rothman N, Garcia-Closas M, Chatterjee N, Malats N, Wu X, Figueroa JD, Real FX, Van Den Berg D, Matullo G, Baris D, Thun M, Kiemeny LA, Vineis P, De Vivo I, Albanes D, Purdue MP, Rafnar T, Hildebrandt MA, Kiltie AE, Cussenot O, Golka K, Kumar R, Taylor JA, Mayordomo JI, Jacobs KB, Kogevinas M, Hutchinson A, Wang Z, Fu YP, Prokunina-Olsson L, Burdett L, Yeager M, Wheeler W, Tardón A, Serra C, Carrato A, García-Closas R, Lloreta J, Johnson A, Schwenn M, Karagas MR, Schned A, Andriole G Jr, Grubb R 3rd, Black A, Jacobs EJ, Diver WR, Gapstur SM, Weinstein SJ, Virtamo J, Cortessis VK, Gago-Dominguez M, Pike MC, Stern MC, Yuan JM, Hunter DJ, McGrath M, Dinney CP, Czerniak B, Chen M, Yang H, Vermeulen SH, Aben KK, Witjes JA, Makkinje RR, Sulem P, Besenbacher S, Stefansson K, Riboli E, Brennan P, Panico S, Navarro C, Allen NE, Bueno-de-Mesquita HB, Trichopoulos D, Caporaso N, Landi MT, Canzian F, Ljungberg B, Tjonneland A, Clavel-Chapelon F, Bishop DT, Teo MT, Knowles MA, Guarrera S, Polidoro S, Ricceri F, Sacerdote C, Allione A, Cancel-Tassin G, Selinski S, Hengstler JG, Dietrich H, Fletcher T, Rudnai P, **Gurzau E**, Koppova K, Bolick SC, Godfrey A, Xu Z, Sanz-Velez JI, D García-Prats M, Sanchez M, Valdivia G, Porru S, Benhamou S, Hoover RN, Fraumeni JF Jr, Silverman DT, Chanock SJ -A multi-stage genome-wide association study of bladder cancer identifies multiple susceptibility loci, *Nat Genet*, 2010 Nov;42(11):978-84. Epub 2010 Oct 24.
 28. Bloom MS, Fitzgerald EF, Kim K, Neamtiu I, **Gurzau ES** - Spontaneous pregnancy loss in humans and exposure to arsenic in drinking water, *Int j Hyg Environ Health*, 2010 Nov;213(6):401-13.
 29. Hough RL, Fletcher T, Leonardi GS, Goessler W, Gnagnarella P, Clemens F, **Gurzau E**, Koppova K, Rudnai P, Kumar R, Vahter M - Lifetime exposure to arsenic in residential drinking water in Central Europe, *Int Arch Occup Environ Health*, 2010 Jun;83(5):471-81. Epub 2010 Apr 17.
 30. Kiemeny LA, Sulem P, Besenbacher S, Vermeulen SH, Sigurdsson A, Thorleifsson G, Gudbjartsson DF, Stacey SN, Gudmundsson J, Zanon C, Kostic J, Masson G, Bjarnason H, Palsson ST, Skarphedinsson OB, Gudjonsson SA, Witjes JA, Grotenhuis AJ, Verhaegh GW, Bishop DT, Sak SC, Choudhury A, Elliott F, Barrett JH, Hurst CD, de Verdier PJ, Ryk C, Rudnai P, **Gurzau E**, Koppova K, Vineis P, Polidoro S, Guarrera S, Sacerdote C, Campagna M, Placidi D, Arici C, Zeegers MP, Kellen E, Gutierrez BS, Sanz-Velez JI, Sanchez-Zalabardo M, Valdivia G, Garcia-Prats MD, Hengstler JG, Blaszkewicz M, Dietrich H, Ophoff RA, van den Berg LH, Alexiusdottir K, Kristjansson K, Geirsson G, Nikulasson S, Petursdottir V, Kong A, Thorgeirsson T, Mungan NA, Lindblom A, van Es MA, Porru S, Buntinx F, Golka K, Mayordomo JI, Kumar R, Matullo G, Steineck G, Kiltie AE, Aben KK, Jonsson E, Thorsteinsdottir U, Knowles MA, Rafnar T, Stefansson K -A sequence variant at 4p16.3 confers susceptibility to urinary bladder cancer, *Nat Genet*, 2010 May;42(5):415-9. Epub 2010 Mar 28.
 31. Neamtiu I. A, **Gurzau E. S.** - Workplace Exposure to Inorganic Lead and its Influence on Haem Synthesis, *Central European Journal of Occupational and Environmental Medicine* vol. 16, no 1-2, pp. 101-110, 2010, HU ISSN 1219-1221
 32. Neamtiu I. A., **Gurzau E. S.**, Pop C., Duma R., Tefas L - Personal Monitoring of Lead Exposure in an Occupational Environment, *Central European Journal of Occupational and Environmental Medicine* vol. 16, no 1-2, pp. 91-99, 2010, HU ISSN 1219-1221
 33. Rumel R. C., Frunzareanu B. L., Neamtiu I. A., **Gurzau E. S.**, Lupsa I. R. - Air Pollution and Chronic Respiratory Disease Frequency in Brasov Area, Romania, *Central European Journal of Occupational and Environmental Medicine* vol. 16, no 1-2, pp. 111-119, 2010, HU ISSN 1219-1221
 34. Neagu M.C., Rusu O. A., Pinteana A. Marta, Zeic A., Neamtiu I. A., Gui W., **Gurzau E. S.** -Health Risk Assessment of Workers in a TDI Plant, *Central European Journal of Occupational and Environmental Medicine* vol. 16, no 1-2, pp. 79-90, 2010, HU ISSN 1219-1221
 35. Ioana R. Lupsa, Daniela Tulhina, Romulus Timar, Zora Marin, Gabriela Brinzei, Constantin Neniu, Camelia Lungu, and **Eugen S. Gurzau** - Cardiovascular Diseases Risk in Citizens of Timisoara (Romania, Timis County) Drinking Water from Surface Water Supplies, *Central European Journal of Occupational and Environmental Medicine* vol. 16, no 1-2, pp. 65-74, 2010, HU ISSN 1219-1221

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37. Lupu C., Rugina C., Neagu M.C., Neamtii I. A., Pop C., and **Gurzau E. S.** - Environmental and social intervention strategies in lead exposure in children, *Environmental Engineering And Management Journal*, 10 (1), pp. 31-36, **2011**
38. Rusu O. A. Neagu C., Dumitrascu I., Neamtii I., Zeic A., **Gurzau E** - Assessment of human exposure to toluene diisocyanate, *Air and Water: Environmental media*, vol. 2011, pp. 387-395, **2011**, ISSN: 2067743X
39. Rafnar T, Vermeulen SH, Sulem P, Thorleifsson G, Aben KK, Witjes JA, Grotenhuis AJ, Verhaegh GW, Hulsbergen-van de Kaa CA, Besenbacher S, Gudbjartsson D, Stacey SN, Gudmundsson J, Johannsdottir H, Bjarnason H, Zanon C, Helgadóttir H, Jonasson JG, Tryggvadóttir L, Jonsson E, Geirsson G, Nikulasson S, Petursdóttir V, Bishop DT, Chung-Sak S, Choudhury A, Elliott F, Barrett JH, Knowles MA, de Verdier PJ, Ryk C, Lindblom A, Rudnai P, **Gurzau E**, Koppova K, Vineis P, Polidoro S, Guarrera S, Sacerdote C, Panadero A, Sanz-Velez JI, Sanchez M, Valdivia G, Garcia-Prats MD, Hengstler JG, Selinski S, Gerullis H, Ovsianikov D, Khezri A, Aminsharifi A, Malekzadeh M, van den Berg LH, Ophoff RA, Veldink JH, Zeegers MP, Kellen E, Fostinelli J, Andreoli D, Arici C, Porru S, Buntinx F, Ghaderi A, Golka K, Mayordomo JI, Matullo G, Kumar R, Steineck G, Kiltie AE, Kong A, Thorsteinsdóttir U, Stefansson K, Kiemeny - European Genome-Wide Association Study Identifies SLC14A1 as a New Urinary Bladder Cancer Susceptibility Gene, *Hum. Mol. Genet.* (2011) doi: 10.1093/hmg/ddr303 First published online: July 12, **2011**
40. Rizzato C, Canzian F, Rudnai P, **Gurzau E**, Stein A, Koppova K, Hemminki K, Kumar R, Campa D -Interaction between functional polymorphic variants in cytokine genes, established risk factors and susceptibility to basal cell carcinoma of skin, *Carcinogenesis*. **2011** Aug 30: 21880580
41. Stacey SN, Sulem P, Jonasdóttir A, Masson G, Gudmundsson J, Gudbjartsson DF, Magnusson OT, Gudjonsson SA, Sigurgeirsson B, Thorisdóttir K, Ragnarsson R, Benediktsdóttir KR, Nexø BA, Tjønneland A, Overvad K, Rudnai P, **Gurzau E**, Koppova K, Hemminki K, Corredera C, Fuentelsaz V, Grasa P, Navarrete S, Fuertes F, García-Prats MD, Sanambrosio E, Panadero A, De Juan A, Garcia A, Rivera F, Planelles D, Soriano V, Requena C, Aben KK, van Rossum MM, Cremers RG, van Oort IM, van Spronsen DJ, Schalken JA, Peters WH, Helfand BT, Donovan JL, Hamdy FC, Badescu D, Codreanu O, Jinga M, Csiki IE, Constantinescu V, Badea P, Mates IN, Dinu DE, Constantin A, Mates D, Kristjansdóttir S, Agnarsson BA, Jonsson E, Barkardóttir RB, Einarsson GV, Sigurdsson F, Moller PH, Stefansson T, Valdimarsson T, Johannsson OT, Sigurdsson H, Jonsson T, Jonasson JG, Tryggvadóttir L, Rice T, Hansen HM, Xiao Y, Lachance DH, O'Neill BP, Kosel ML, Decker PA, Thorleifsson G, Johannsdóttir H, Helgadóttir HT, Sigurdsson A, Steinthorsdóttir V, Lindblom A; Swedish Low-risk Colorectal Cancer Study Group., Sandler RS, Keku TO, Banasik K, Jørgensen T, Witte DR, Hansen T, Pedersen O, Jinga V, Neal DE, Catalona WJ, Wrensch M, Wiencke J, Jenkins RB, Nagore E, Vogel U, Kiemeny LA, Kumar R, Mayordomo JI, Olafsson JH, Kong A, Thorsteinsdóttir U, Rafnar T, Stefansson - A germline variant in the TP53 polyadenylation signal confers cancer susceptibility, *Nat Genet.* **2011** Sep 25;: 21946351
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patients with hematological malignancies: A pilot study in Romania, *Zoonoses Public Health*. 2017 Mar 22. doi: 10.1111/zph.12353, PMID:28328183

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More than other 50 publications (chapters, books, papers in national and international journals).

Research Support (Very selective – only for national):

Ongoing Research Support

Romanian Ministry of National Education under the coordination of the Institute of Oncology “Prof. Dr. Ion Chiricuta” Cluj-Napoca – Contract no. 96/2012 - Analysis of microRNA biomarkers as predictive values for cervical cancer treatment, in relationship with environmental exposure to arsenic, phthalates and ETS.” - PI – Dr. Ovidiu Balacescu 2012-2016

This study aims to integrate clinical data, molecular analysis and toxic exposure results to come out with an instrument of treatment prediction for cervical cancer.

Role: Co-Investigator

Romanian Ministry of National Education - Contract 61-2016 - Marina Spanu (PI) 2012-2016, Development of a paradigm for assessment of heavy metal and microbial pollution in wild birds and fish and its implementation for conservation of biodiversity in the Danube Delta Biosphere Reserve - The aim of the project is to provide a comprehensive evaluation of two risks that may endanger local biodiversity of the Danube Delta and the social and economic future of its residents.

Role: Co-investigator

Romanian Ministry of National Education under the coordination of the University of Medicine and Pharmacy Cluj-Napoca – Contract no. 196/2014, 2013-2017 – Breast cancer targeted therapy and pro/anticarcinogenic effect modulation of environmental chemical agents (CANCERTER-p53) PI – Cornelia Braicu 2014-2017 A line cell experimental model

Role: Coordinator – toxicology activities

Completed research Support (selective: national and international):

European Commission Directorate-general environment - LIFE09 ENV/BE/410 - **Demonstration of a Study to Coordinate and Perform Human biomonitoring on a European Scale DEMOCOPHES** Pierre Biot (PI) - Ioana Rodica Lupsa Coordinator for Romania 2010-2012

The main objective of this project is to demonstrate the feasibility of an EU harmonized approach to Human Biomonitoring (HBM) by implementing a Pilot Study in 16 EU Member States (MS) and sharing the expertise with 5 additional countries.

Role: Co-Investigator

DG SANCO/2009/C4/04 - Schools Indoor Pollution and Health: Observatory Network in Europe -SINPHONIE **under** the coordination of the REGIONAL ENVIRONMENTAL CENTER *for Central and Eastern Europe* 2010-2012

This proposal aims to get more and new data on EU schools indoor air quality and to make an effective and fruitful set of proposals leading to new policies, new guidelines and new practices regarding indoor air quality in the EU schools.

Role: Local Coordinator for Romania

Yale University School of Medicine - Toluene diisocyanides (TDI) exposure assessment in a Polyurethane Foam Factory from Romania - Study Coordinators: Carrie Redlich and Eugen Gurzau 2010-2012

This project is designed to monitor and sample the air at workplaces for TDI, assess respiratory health among participants and the presence of TDI antibodies among workers in the factory.

Role: Co-Investigator

IC15-CT98-0320 - Danny Houthuils (PC) 1998-2000

European Commission - Epidemiological study of spatial and temporal variations in outdoor air pollution and children's respiratory diseases in Central Europe.

The goal of the study was to use unique methodologies across Europe in order to get comparable databases and to evaluate the situation of chronic respiratory diseases in children from Central Europe.

Role: Principal Investigator for Romania (PI)

5P42ES004940-100006 - Vasken H. Aposhian (PI) 1999

NIEHS

Detoxification of metals: in vitro and in vivo studies.

The goal of this study was to evaluate the arsenic biotransformation in humans exposed to different levels of this toxic via drinking water, before and after DMPS (2,3- dimercaptopropane-1-sulfonic acid) administration.

Role: Co-Investigator

QLK4-CT-2001-00264 - Tony Fletcher (PC) 2002-2005

European Commission General Directorate 12 - Arsenic health risk assessment and molecular epidemiology (ASHRAM).

The goal of this study is to evaluate the gene-environment interactions in the assessment of cancer risk from arsenic intake in three European populations.

Role: Principal Investigator for Romania (PI)

SUNY, University at Albany, 03-044 - S.Surdu (PI) 2003-2007

Comparison of Environmental Lead Exposure and Social Factors to Blood Lead Levels in Children 4-6 Years Old

The goal of this study was to investigate the relation between environmental lead exposure and social factors and the increased blood lead levels in children 4-6 years old.

Role: Consultant

IC15-CT98-0320 - Danny Houthuils (PC) 1998-2000

European Commission - Epidemiological study of spatial and temporal variations in outdoor air pollution and children's respiratory diseases in Central Europe.

The goal of the study was to use unique methodologies across Europe in order to get comparable databases and to evaluate the situation of chronic respiratory diseases in children from Central Europe.

Role: Principal Investigator for Romania (PI)

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Role: Consultant

Ministry of Education and Research

Contract 92-092 - E. Gurzau (PI) 2008-2010

SCANLEAD Program - Risk assessment and social marketing in the largest Romanian battery plant

The project is focusing on social aspects related to workplace exposure to lead and SO₂ in car battery plants.

Role: Project Director

Ministry of Education and Research

Contract 32-152 - A. Gurzau (PI) 2008-2010

AQUATHM Program - Drinking water quality, THM and cancers in areas of Transylvania, Romania

The goal of the study is to investigate drinking water quality and citizen's safety related to carcinogenic substances (THM).

Role: Co-Investigator