


Name/Surname		Christopher J. PORTIER, Professor
Affiliation	Senior Collaborating Scientist, Environmental Defense Fund, New York, USA	
IARC Host Group	Section of IARC Monographs (IMO), IARC, Dr K. Straif	
Speciality	<p>Dr. Portier has worked for over 30 years to identify the impacts of our environment on our health and find ways to better protect people from environmental hazards. He is an internationally recognized expert in the design, analysis, and interpretation of environmental health data. His research efforts and interests include such diverse topics as cancer biology, risk assessment, climate change, bioinformatics, immunology, neurodevelopment, genetically modified foods, and genomics.</p>	
Academic Degrees	<p>BS 1977 (Mathematics), Nicholls State University, Thibodaux, LA, USA, PhD, MS 1981 (Biostatistics), University of North Carolina, Chapel Hill, NC, USA</p>	
Recent Publications	<ul style="list-style-type: none"> • Thomas R, Portier CJ., Gene Expression Networks, <i>Methods Mol Biol.</i> 2013;930:165-78. • Aylward LL, Kirman CR, Schoeny R, Portier CJ, Hays SM., Evaluation of Biomonitoring Data from the CDC National Exposure Report in a Risk Assessment Context: Perspectives across Chemicals. <i>Environ Health Perspect.</i> 2012 Dec 11. [Epub ahead of print] PMID: 23232556 • Sand, S., Portier, C.J., Krewski, D. A Signal-to-noise crossover dose as the point of departure for risk assessment. <i>Environmental Health Perspectives.</i> 119(12):1766-74, 2011 • Gohlke, J.M., Thomas, R., Woodward, A., Campbell-Lundrum, D., Pruss-Ustun, A., Hales, S., Portier, C.J. Estimating the global public health implications of electricity and coal consumption. <i>Environmental Health Perspectives</i> 2011 119 (6): 821-6 • McHale CM, Zhang L, Lan Q, Vermeulen R, Li G, Hubbard AE, Porter KE, Thomas R, Portier CJ, Shen M, Rappaport SM, Yin S, Smith MT, Rothman N. Global gene expression profiling of a population exposed to a range of benzene levels. <i>Environ Health Perspect.</i> 2011 May;119(5):628-34. • Prause AS, Guionaud CT, Stoffel MH, Portier CJ, Mevissen M. Expression and function of 5-hydroxytryptamine 4 receptors in smooth muscle preparations from the duodenum, ileum, and pelvic flexure of horses without gastrointestinal tract disease. <i>Am J Vet Res.</i> 2010 Dec;71(12):1432-42. • Luke, N.S., DeVito, M.J., Portier, C.J., El-Masri, H.A., Employing a mechanistic model for the MAPK pathway to examine the impact of cellular all-or-none behavior on overall tissue response, <i>Dose-Response</i> 2010 8(3): 347-67. • Crump, KS, Chen, C., Chiu, W.A., Louis, T.A., Portier, C. J., Subramaniam, R.P., Wgite, P.D., What role for biologically-based Dose-Response Models in Estimating Low-Dose Risk. <i>Env. Health Persp.</i> 2010 118(5):585-8 • Parham F, Austin C, Southall N, Huang R, Tice R, Portier C. Dose-Response modeling of High-Throughput Screening Data. <i>J Biomol Screen.</i> 2009 14(10), 1216-27 • Hines RN, Sargent D, Autrup H, Birnbaum LS, Brent RL, Doerrer NG, Cohen Hubal EA, Juberg DR, Laurent C, Luebke R., Olejniczak K, Portier CJ, Slikker W. Approaches for assessing risks to sensitive populations: 	

	<p>lessons learned from evaluating risks in the pediatric population. <i>Tox. Sci.</i> 2010 113 (4), 4-26.</p>
Programme at IARC	Identifying mechanistic pathways to carcinogenesis
Short background	<p>Prof. Dr. Christopher J. Portier is an expert in the design, analysis, and interpretation of environmental health data with a focus on carcinogenicity. His research efforts and interests include such diverse topics as molecular biology, risk assessment, biostatistics, bioinformatics, epidemiology, development, genetically modified foods, genomics, climate change, EMF, and health economics. Dr. Portier has contributed to the development of cancer risk assessment guidelines for national and international governments and agencies and has directed or contributed significantly to numerous scientific reviews and risk assessments, most notably those for dioxins, aflatoxins, electromagnetic fields, diesel particle emissions and climate change.</p> <p>Dr. Portier currently serves on one US National Academy of Sciences Committee, has served on USEPA's Science Advisory Board and USEPA's Science Advisory Panel, has served as an advisor to the Finnish Academy of Sciences, has been a member of numerous WHO/IARC scientific committees, and as a reviewer for grants in the United States, the European Union, and many other sponsoring organizations. He has received numerous awards including the Spiegelman Award from the American Public Health Association and the Outstanding Practitioner of the Year Award from the International Society for Risk Analysis. He is an elected Fellow of the International Statistics Institute, the World Innovation Foundation, and the American Statistical Association.</p> <p>Dr. Portier received a B.Sc. degree (1977) in mathematics and M.S. (1979) and Ph.D. (1981) degrees in biostatistics. He has authored more than 200 peer-reviewed publications and book chapters. Until 2013, Dr. Portier was the Director of the National Center for Environmental Health at the Centers for Disease Control and Prevention in Atlanta and the Director of the Agency for Toxic Substances and Disease Registry. Prior to CDC, Dr. Portier was with the National Institute of Environmental Health Sciences where he served as the NIEHS Associate Director, Director of the Environmental Toxicology Program, and Associate Director of the National Toxicology Program, and Senior Scientific Advisor to the Director. During his 32 years at NIEHS, Dr. Portier maintained his own research laboratory focused on the impact of the environment on human health.</p>
Institutional webpage:	http://www.edf.org