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he Director (DIR), IARC, Dr C.P. Wild
alth-Based Cancer Prevention Strategies
man's main research goals are in the development of molecular s reflective of exposure, early disease, and risk from environmental ns.
Chemistry), Elmira College, Elmira New York, USA, PhD 1979 (v), Massachusetts Institute of Technology, Cambridge, MA, USA
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Programme at IARC	Molecular epidemiology of aflatoxin exposures: hepatocellular cancer and
	other health endpoints
Short background	Dr. John Groopman is the Anna M. Baetjer Professor of Environmental
	Health at the Johns Hopkins Bloomberg School of Public Health and the
	Associate Director for Cancer Prevention and Control at the Sidney Kimmel
	Comprehensive Cancer Center in the School of Medicine. He received his
	Ph.D. degree from the Massachusetts Institute of Technology and was also a
	the National Cancer Institute in the Laboratory of Human Carcinogenesis
	Prior to coming to Johns Honkins in 1989 Dr. Groopman was the Associate
	Dean at the Boston University School of Public Health. Dr. Groopman's main
	research interests involve the development and application of molecular
	biomarkers of exposure, dose and effect from environmental carcinogens.
	The environmental carcinogens studied include agents that are naturally
	occurring in the diet. A major emphasis of the research has been in the
	elucidation of the role of aflatoxins, a common contaminate of the food
	and Africa. This work has led to the identification of a very strong chemical-
	viral interaction between aflatoxin and the human hepatitis B virus in the
	induction of liver cancer. These biomarkers have also been used in many
	collaborative molecular epidemiology studies of liver cancer risk and recently employed to assess the efficacy of a number of chemopreventive agents in
	trials in high-risk atlatoxin-hepatitis B virus exposed populations. This
	research is now being extended to develop genetic biomarkers of p53
	novel mass spectroscopy based method for genotyping developed in the
	laboratory. The most cited research publication from this research was the
	finding from a prospective cohort of over 18,000 people in Shanghai that
	established for the first time a viral-chemical interaction essential to the
	etiology of liver cancer, a leading cause of cancer death in the world. This
	work has led to the collaborative chemoprevention trials in China.
	Collectively, Dr. Groopman's expertise involves the biological consequences
	of exposures to mycotoxins and other environmental contaminates on human
	nealth. Thus, the research in our laboratory, resulting in over 250 peer-
	reviewed publications and chapters, focuses on the translation of mechanistic research to public health based prevention strategies. Dr. Groopman is the
	Principal Investigator on the National Institute for Environmental Health
	Sciences (NIEHS) program project grant. P01 ES 006052. Molecular
	Biomarkers of Environmental Carcinogens, since 1993 and the Director of the
	NIEHS Center in Urban Environmental Health (P30 ES003819). Dr.
	Groopman also served as a member of the National Advisory Council for the

	NIEHS and numerous other committees at the national and international level.
	Thus, Dr. Groopman has a long-standing record of commitment to
	interdisciplinary and translational research in oncology and public health.
	Finally, in recognition of his contributions to cancer prevention efforts, Dr.
	Groopman was the recipient of the 2010 American Association for Cancer
	Research – Prevent Cancer Foundation Award for Excellence in Cancer
	Prevention Research.
Institutional webpage:	http://www.jhsph.edu/departments/environmental-health-
	sciences/_archive/research/Groopman/index.html