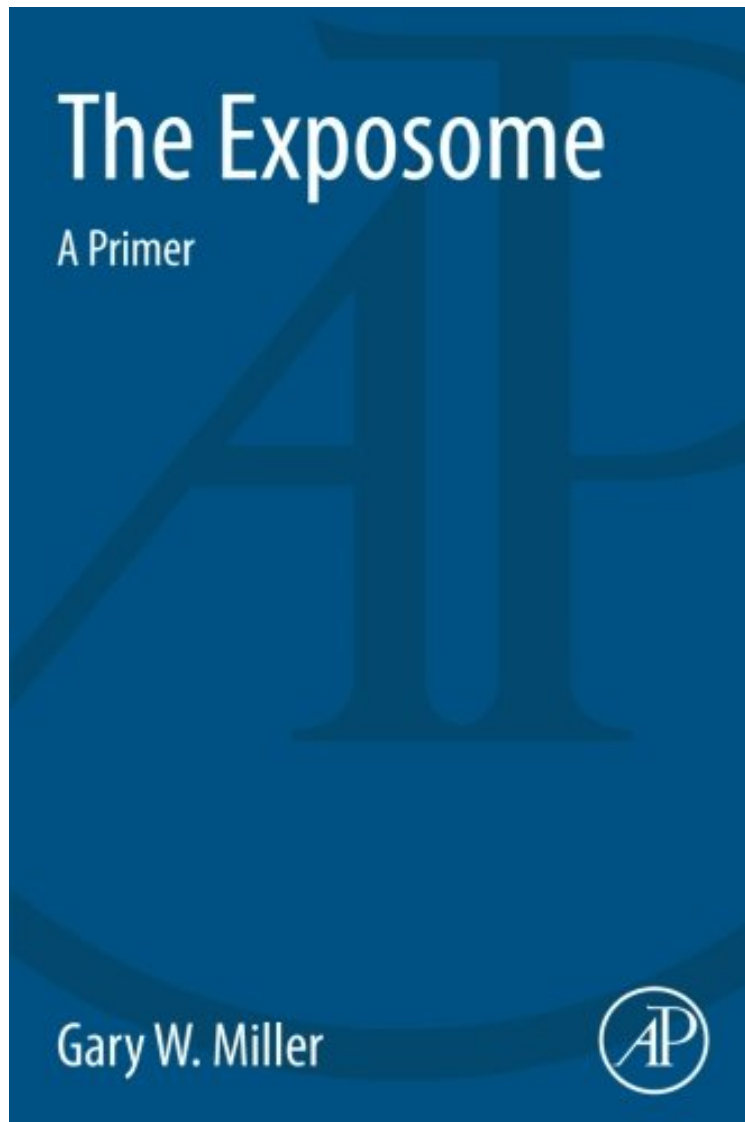


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The Exposome: A Primer

Gary W Miller

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#1968283 in Books Gary W Miller 2013-12-17 2013-12-03Original language:EnglishPDF # 1 9.00 x .27 x 6.00l, .37 #File Name: 0124172172118 pagesThe Exposome A Primer | File size: 69.Mb

Gary W Miller : The Exposome: A Primer before purchasing it in order to gage whether or not it would be worth my time, and all praised The Exposome: A Primer:

The Exposome: A Primer is the first book dedicated to exposomics, detailing the purpose and scope of this emerging field of study, its practical applications and how it complements a broad range of disciplines. Genetic causes account

for up to a third of all complex diseases. (As genomic approaches improve, this is likely to rise.) Environmental factors also influence human disease but, unlike with genetics, there is no standard or systematic way to measure the influence of environmental exposures. The exposome is an emerging concept that hopes to address this, measuring the effects of life-long environmental exposures on health and how these exposures can influence disease. This systematic introduction considers topics of managing and integrating exposome data (including maps, models, computation, and systems biology), "-omics"-based technologies, and more. Both students and scientists in disciplines including toxicology, environmental health, epidemiology, and public health will benefit from this rigorous yet readable overview.

"There is some suggestions for teaching the exposome, including an outline syllabus for a short course, and Miller's ideas about how the science might move forward over the next five to ten years Overall I found this a useful introduction to the exposome and well worth reading if you want to better understand this new developing science." -- OH-World.org blog, January 2014 About the Author Gary W. Miller, PhD is the Asa Griggs Candler Professor of Environmental Health and Associate Dean for Research in the Rollins School of Public Health at Emory University. He is Director of the HERCULES Exposome Research Center at Emory. His research interests include the role of environmental factors in Parkinsons disease and the regulation of dopamine signaling in the brain. He is also Editor-in-Chief of Toxicological Sciences, the official journal of the Society of Toxicology.