

October 2; 4pm; Rm 118 Nieuwland



## **The historical foundations of the linear non-threshold dose response model for cancer risk assessment**

Prof. Edward Calabrese

School of Public Health and Health Sciences  
 University of Massachusetts Amherst

The linear no-threshold (LNT) single-hit (SH) dose response model for cancer risk assessment is assessed with respect to its historical foundations. This presentation examines how mistakes, ideological biases, and scientific misconduct by key scientists affected the acceptance, validity, and applications of the LNT model for cancer risk assessment. In addition, the analysis demonstrates that the LNT single-hit model was inappropriately adopted for governmental risk assessment, regulatory policy, practices, and for risk communication.