Bio Sketch for Charles Breckenridge\*

In my academic studies, I focused on the structure and function of the central nervous system with special emphasis on the role of the limbic system in memory and learning (Winocur and Breckenridge (1973), the neurophysiological mechanism regulating sleep and the organization of the visual system (Breckenridge and Heron,1975; Ph.D. Thesis, 1978).

In my professional career as a toxicologist, beginning with an Industrial Postdoctoral Fellowship at Bioresearch Laboratories in Montreal, (now Charles River Laboratories), I have conducted the full spectrum of toxicological studies including inhalation (Breckenridge et al., 1982,1986; Levinski, et al., 1981), reproductive (De Sesso et al., 2015), developmental (Scialli et al., 2015), chronic toxicity (Breckenridge et al., 1983) and carcinogenicity (Stevens et al., 1994, 1999; Genter and Breckenridge, 2009) studies. I specialized in evaluating the effects of xenobiotics on the endocrine (Eldridge et al. 1994a, 1994b, 1996, 2008; Foradori et al, 2009a, 2009b, 2011, 2013, 2014, 2017; Simpkins et al., 2011; Breckenridge et al., 2015) and nervous systems (Breckenridge et al., 2009; 2013, Smeyne, et al, 2016).

My involvement with quantitative risk assessment began with leading an industry team in the creation of a software program to conduct cumulative and aggregated risk assessment (CARES) using stochastic probabilistic risk assessment tools (Breckenridge et al., 2002). More recently I have integrated physiological based pharmacokinetics (PBPK) models (Campbell et al., 2016) into such analyses (Breckenridge et al., 2016). I am currently involved in the development of approaches for integrating epidemiological research into hazard based weight-of-the-evidence risk assessments (Adami, et al., 2011; Breckenridge et al., 2016).

\* References cited above can be found here (Programmer: Please add link to CV)