Toxicological Sciences

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HIGHLIGHTED ARTICLE:

Exposure to Moderate Arsenic Concentrations Increases Atherosclerosis in ApoE$^{-/-}$ Mouse Model
Maryse Lemaire, Catherine A. Lemarié, Manuel Flores Molina, Ernesto L. Schiffrin, Stéphanie Lehoux, and Koren K. Mann 211

Editor's Highlight: Arsenic (200 ppb $NaAsO_2$ administered in drinking water for 8–13 wks) was pro-atherogenic in ApoE$^{-/-}$ mice fed or normal or high fat diets, and arsenic-enhanced lesions were associated with increased plamsa levels of MIP1α and IFNδ. Importantly, a higher dose of arsenic (1000 ppb) was less atherogenic than 200 ppb. As 200 ppb is an environmentally-relevant concentration, the data suggest that chronic, moderate exposure to arsenic may be a risk factor for cardiovascular disease.

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