The role of gene–environment interplay in occupational and environmental diseases: current concepts and knowledge gaps

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Learning Objectives: Participants will be able to: 1) explain the interplay between genetic susceptibilities and environmental exposures in the pathogenesis of a variety of diseases; 2) explain the research studies conducted regarding gene-environment associations with a focus on pulmonary diseases as they relate to the workplace; and 3) to create a framework to help understand occupational exposures.

Nanoscale size effect on hexavalent chromium stability in welding fume

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Learning Objectives: Participants will be able to 1) discuss the various sources of hexavalent chromium in workplace environments; 2) explain the difference between aqueous hexavalent chromium and airborne hexavalent chromium with regard to characteristics such as formation mechanisms and exposure routes; 3) explain the difference between aqueous hexavalent chromium and airborne hexavalent chromium with regard to analytical methods; and 4) to describe how nanoparticles may have a different toxicity than larger particles of the same material.

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The Harvard T.H. Chan School of Public Health designates this educational activity for a maximum of 1 AMA PRA category 1 credit™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

All are welcome to attend. ♦ Light lunch and drinks available or bring your own.