**The surface chemistry of metallic materials governs their potency for adverse health and environmental effects**

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The research team of Prof. Odnevall has during the past 30 years, in close collaboration with national and international academic partners, metal associations and enterprises, stakeholders and environmental and health risk assessment bodies, performed both fundamental and applied interdisciplinary research to fill knowledge gaps related to environmental and health aspects induced by metals and alloys used in different societal applications. Studies have been performed on both massive surfaces and (nano)particles to correlate changes in material- and corrosion properties and surface chemistry with the extent of migrated metals and their speciation and how these properties correlate to their fate and toxic potency on humans and the environment.