Do nanoparticles affect fetal development? potential mechanisms and effects

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Whether engineered nanoparticles interfere with fetal development remains sparsely studied, but a number of studies indicate that nanoparticles and their chemical constituents may affect both the placenta and the fetus through generation of oxidative stress and inflammation. Inhalation of nanoparticles, for example, can cause lung inflammation and associated release of inflammatory mediators that might affect both placenta and fetus. Findings suggest that especially the nervous, immune, and reproductive systems are sensitive to insult by maternal particulate exposure during pregnancy.


Thursday December 20th at 11.30
Room 127 (zoofys kaffestue), building 1131
Activity: open field