SMART Program: Final Materials

Adriana Gaona
Evaluating the Association Between Prenatal Metal Exposure and DNA Methylation

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Can placental epigenetic changes in response to prenatal metal exposure help explain associated adverse birth outcomes later in life? Studies have found a link between prenatal metal exposure and adverse birth outcomes and health outcomes later in life but there is still a gap in our understanding as to how this occurs.
The results will help explain how adverse birth outcomes and health outcomes later in life result from prenatal metal exposure. This understanding will allow for better preventative care and treatment of metal exposure during pregnancy.

General Audience

General audience will be more knowledgeable and cautious of the risks and placental epigenetic changes that result from toxic metal exposure during pregnancy. This will be more.