



MELISA Institute is a **private center for biomedical research** focused in cutting-edge research in **epidemiology, molecular biology, genomics and proteomics**, aiming to advance comprehensive solutions for maternal, fetal, and embryonic health. At The MELISA Institute we are working to develop a new paradigm in embryonic medicine, attentive to the care of the embryo as a patient. MELISA Institute is the result of an academic initiative that brings together standard epidemiological research methods with advanced molecular biology laboratory techniques.

MELISA is an acronym that stands for **Molecular Epidemiology in Life Sciences ReseArch**. Our Institute carries out biomedical studies in collaboration with researchers from various universities, hospitals and laboratories.

MELISA Institute was founded to non-invasively investigate pregnancy and very early stages of embryo development looking for ultra-early biomarkers useful to identify diseases during pregnancy (prenatal diagnosis). We are currently working on developing **in utero noninvasive therapeutic options for Trisomy 21, the genetic anomaly causing Down Syndrome**. We look for preventing or ameliorating associated consequences of this genetic disease. For this purpose, our Institute relies on one of the **most advanced biomedical research laboratories in Latin America** (MELISA Lab). Our Division of Basic Sciences integrates cutting-edge technologies in **molecular biology, genomics, proteomics, next-generation DNA sequencing, and cellular biology**.

Likewise, MELISA Institute is committed to advancing other important issues such as maternal health, abortion prevention, fertility, women's health, regenerative medicine and translational medicine.

For further information feel free to contact me.

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