TITLE: Prenatal diagnostics

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RESEARCH PROJECT DESCRIPTION (brief overview of background, hypothesis, methods, role of medical student, funding and relevant publications -- SHOULD NOT EXCEED ~ 250 WORDS)
We have developed non-invasive technology to monitor pregnant women with several goals:
1) Distinguish real preterm labor from benign contractions
2) Patient self-administered non-stress tests
3) Monitor fetal heart rate on twin pregnancies
4) Predict the severity of preeclampsia
We use ECG amplifiers and pulse oximetry to evaluate moms and babies in Labor and Delivery, antenatal clinics, and hopefully soon at home. Medical students will participate in identifying and consenting patients, and data collection. These studies are funded by industry and by USAID. Dr. Euliano has a conflict of interest as she is on the patents, and her husband has a leading role on the industry side.