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Dear Supporter,

Fall is officially here. The weather in the Northeast is getting cooler and rainier, yellow leaves are beginning to decorate sidewalks, and we are advancing our research priorities. Here's your September brief.

Awards

Another year, another March of Dimes Richard B. Johnston, Jr., MD Prize up for grabs. We take nominations for our lifetime achievement award, honoring remarkable scientists who have significantly advanced the science around pregnancy, birth, and fetal development, until October 2. Nominate a pioneer in the field before this year's prize slips away.

Blog

This month's blog highlights a recent paper from scientists at the March of Dimes Prematurity Research Center (PRC) at Stanford who have found stark differences in the immune system of women who experienced a spontaneous preterm birth compared to those who delivered term. The research suggests that these differences, such as stress-related changes in immune response, may contribute to preterm birth risk. Read the blog here.

Podcast

Our latest MODCAST shines a spotlight on the role of the uterus in preeclampsia. Dr. Ophelia Yin, an investigator at the March of Dimes PRC at the University of California, San Francisco, explains her recent study linking preeclampsia to four genes expressed in the uterus, giving more scientific credence to a growing understanding that the uterus may be just as important as the placenta in the development of the disease.

Listen to or watch our latest MODCAST.

Publications

Transcriptomic Analysis of Plac1 Ablation Reveals Broad Alterations in Signaling Pathways Essential for Prenatal Development and Overlap with a Preeclampsia-Associated Signature

Concentrated Magnesium Sulfate and Pharmacokinetics-Guided Neuroprotection in Pregnant Patients with Cardiac Disease

Linking maternal blood pressure with fetal cerebral haemodynamics and cortical growth in congenital heart disease

Mass spectrometry-based quantitation of cervicovaginal progesterone and steroids in women at high risk of preterm birth

Extracting adverse event nature, severity, timelines, and resulting interventions from clinical notes of patients receiving CAR-T cell therapy using large language models

This is all for this month. See you in October.

Dr. Emre Seli
Chief Scientific Advisor
March of Dimes

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Arlington, VA 22202
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