

Dear Supporter,

Happy fall! Here's your brief.



# Monthly Research Brief

## News

Last month, I had the privilege of participating in the working group of the National Advisory Child Health and Human Development (NACHHD) Council. This working group was convened in response to a request by the US Department of Health and Human Services (HHS) to report on the current state of the science on enteral feeding of extremely preterm neonates. The aim of the working group was to discuss the science around the best ways to feed babies born at 27 weeks or earlier to lower their risk of developing necrotizing enterocolitis (NEC). The group also identified key research needs in this area.

[Learn more about our work with breastmilk and NEC.](#)

## Grants and awards

We have extended the deadline to nominate a scientist for our biggest award, the March of Dimes Richard B. Johnston, Jr., MD Prize, until October 14. Recent winners have included fetal therapy pioneer Alan Flake, ovarian aging and reproductive health expert Patricia Hunt, and geneticist and imprinting scientist Marisa Bartolomei.

[Nominate a leader today.](#)

# Blog

This month's blog spotlights findings by the March of Dimes Ohio Collaborative Prematurity Research Center (PRC) showing that pregnant women whose bodies contain higher amounts of the trace mineral copper—which is vital during pregnancy and found in many foods and prenatal vitamins—are at an increased risk of preterm birth. Specifically, that for every 1 microgram/ml increase in blood copper levels, pregnant women saw their preterm birth risk jump by 30% and their gestational duration shorten by 1.6 days.

[Read the latest blog.](#)

# Podcast

In our latest MODCAST, Dr. Nima Aghaeepour, an investigator at the March of Dimes Prematurity Research Center at Stanford, and Dr. Sarah England, the director of the Center for Reproductive Health Sciences at Washington University School of Medicine, discuss a new Artificial Intelligence (AI) model that found that sleepers and movers have a 52% reduced risk of delivering early while those sleeping and moving less have a 44% increased risk of delivering early.

[Listen now.](#)

# Publications

[A novel method for cell deconvolution using DNA methylation in PCA space](#)

[Gestational DNA methylation age as a marker for fetal development and birth outcomes: findings from the Boston Birth Cohort](#)

[Glucose intolerance as a consequence of hematopoietic stem cell dysfunction in offspring of obese mice](#)

[Prevalence and characteristics of infants' prosocial helping strategies between 11 and 20 months of age](#)

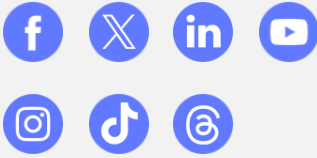
That's it for September. See you next month!

Dr. Emre Seli  
Chief Scientific Advisor  
March of Dimes

**HEALTHY  
MOMS.  
STRONG  
BABIES.**



**Donate now**



March of Dimes

1550 Crystal Dr., Ste. 1300

Arlington, VA 22202

© 2024 March of Dimes, a not-for-profit, section 501c(3)

All Rights Reserved

[Terms Privacy & Notices](#)

[Manage Your Preferences](#) or [Unsubscribe](#)