



NIBMG Awarded Research Projects in Grand Challenge India – All Children Thriving Program

NIBMG has been awarded multiple research projects in Grand Challenge India – All Children Thriving Program funded by the Department of Biotechnology, Bill & Melinda Gates Foundation, BIRAC & USAID.

One of the projects awarded under this program, on “Stress outcomes on pregnancy, fetal growth and birth weight Development of methods to identify mothers at risk of preterm birth and intrauterine growth restriction resulting from maternal stress,” is led by Dr. Arindam Maitra, Associate Professor of NIBMG and is in collaboration with Pediatric Biology Center of Translational Health Science & Technology Institute (THSTI) and Regional Centre for Biotechnology (RCB), Faridabad. The investigators have proposed to look into the role of maternal stress in adverse pregnancy outcomes of preterm birth and intrauterine growth restriction and to develop a method based on clinical and biological markers of stress to identify these mothers who are at risk of such birth outcomes. Once identified, such women can be subject to appropriate antenatal intervention programs ultimately helping in increasing the birth of healthy children who will thrive in childhood and adult life.

Another project awarded under this program, on “Creation of a Bio-repository and Imaging Data Bank for Accelerating Evidence Generation to Facilitate Children to Thrive,” is led by the Pediatric Biology Center of THSTI with NIBMG (Professor Partha P. Majumder) and RCB as collaborators. Both the projects are rooted in the large pregnancy cohort of the “Inter-instructional Program for Maternal, Neonatal and Infant Sciences – A Translational Approach to Studying Preterm Birth.”

More information on the Grand Challenge India – All Children Thriving Program can be found in http://www.birac.nic.in/desc_new.php?id=62.