Improving Pregnancy and Neonatal Outcomes by Targeting Inflammation and Hypoxia
Monday, March 4, 2019 | 12:00pm - 1:00pm
Lucile Packard Children’s Hospital Stanford Auditorium

Premature births are the leading cause of newborn deaths in the U.S., where one in eight is born prematurely. Current research is at aimed at understanding the challenges of preterm birth, identifying predictive factors of premature delivery and improving the long-term outcomes in survivors of prematurity. Pregnancy-associated and postnatal inflammatory and hypoxic events are considered key contributors to preterm birth and poor long-term neurodevelopmental outcomes.

In these talks, Drs. Brice Gaudilliere and Laura Peterson will discuss the immune system dynamics in normal and pathological pregnancies and deep immune profiling of the neonatal immune system. Dr. Anca Pasca will discuss the impact of hypoxic events on the brain development of extremely preterm infants, by using functional human brain tissue derived from pluripotent stem cells in vitro.

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