

RESEARCH ARTICLE

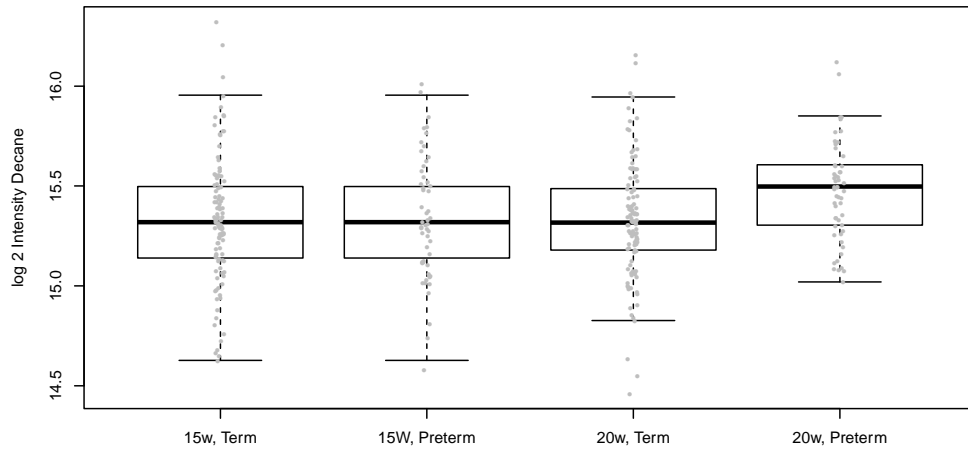
**Trace biomarkers associated with spontaneous preterm birth from the maternal serum metabolome of asymptomatic nulliparous women – parallel case-control studies from the SCOPE cohort**

**Authors**

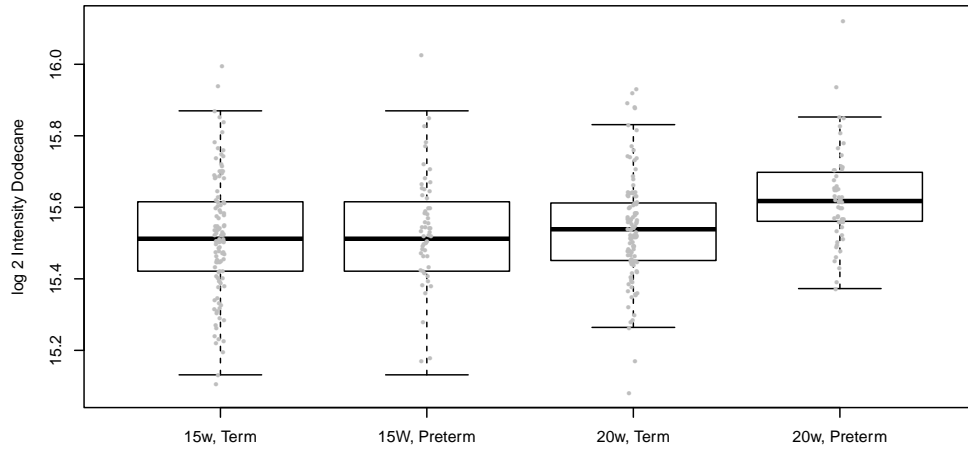
Renato T. Souza, Elizabeth J. McKenzie, Beatrix Jones, Jamie V. de Seymour, Melinda M. Thomas, Erica Zarate, Ting Li Han, Lesley McCowan, Karolina Sulek, Silas Villas-Boas, Louise C. Kenny, José G. Cecatti, Philip N. Baker

a)

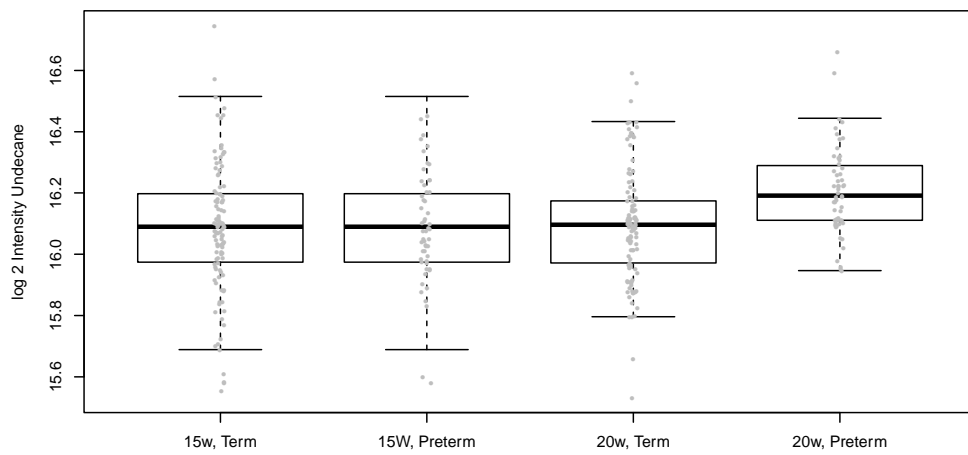
**Decane Intensity at 15, 20 weeks**



**Dodecane Intensity at 15, 20 weeks**



**Undecane Intensity at 15, 20 weeks**



b)

