Menstrual Blood Profiling for Diagnostics in Women's Health

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Abstract:

The reproductive health of a woman lends a significant contribution to overall health.¹ Unfortunately, 1 in 2 women will experience a reproductive disease at some point during their life.² Many of these diseases go undetected for long lengths of time. Menstrual blood can potentially be a powerful source of biomarkers for disease detection and identification of targeted treatments for a woman with a reproductive illness. However, an exhaustive protein profile necessary for disease targeting and identification does not yet exist. The purpose of this project is to create a protein profile for menstrual blood with the goal of developing a diagnostic platform for the identification of female prevalent diseases. We have successfully developed a protocol for the identification of unique proteins in our samples and have proven that we can observe differences in protein levels between patients.

Citations:
