

Abnormal trophoblast differentiation

Epigenetic mechanisms

Placental ischemia

Maternal factors

(e.g. angiotensinogen)

- M1 (green) module genes
- *CGB, ENG, FLT1*
- M2 (red) module hub genes (*BCL6, JUNB*)



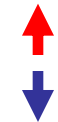
preterm preeclampsia +/- SGA

Onset of maternal circulation to placenta

BCL6

↑ ischemia

- M2 (red) module genes
- M1 (green) module genes



preterm preeclampsia

ARNT2

↑ hypoxia
ischemia

- M2 (red) module genes (*ENG, FLT1, LEP*)



preterm preeclampsia +/- SGA

- *CGB, M2 (red) module genes (*JUNB, FLT1, LEP*)*



preeclampsia +/- SGA