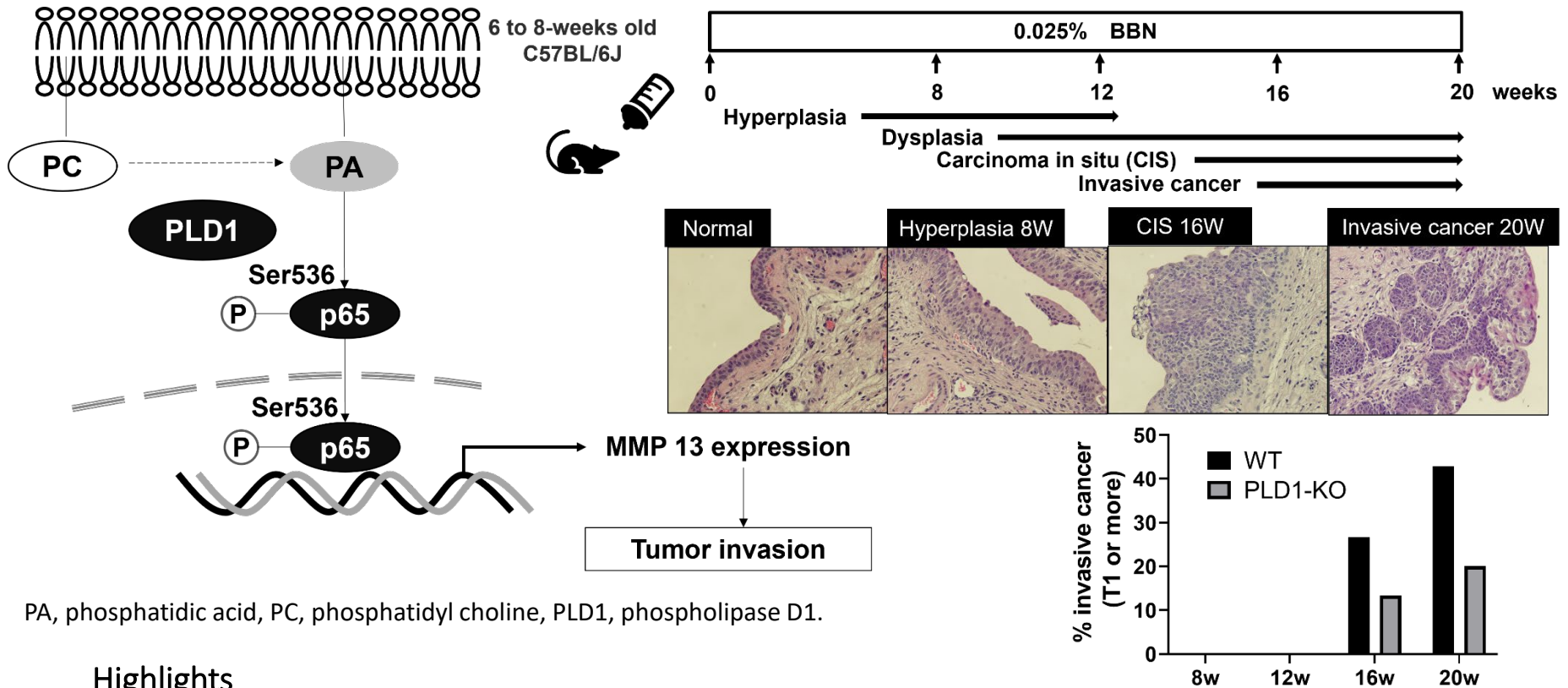


PLD1 promotes tumor invasion by regulation of MMP-13 expression via NF- κ B signaling in bladder cancer



PA, phosphatidic acid, PC, phosphatidyl choline, PLD1, phospholipase D1.

Highlights

- Elevated PLD1 expression is associated with poor prognosis in bladder cancer (BC) patients.
- PLD1 promotes tumor invasion via PA–NF- κ B–MMP-13 signaling pathway.
- PLD1 might be a potential therapeutic target to prevent clinical BC progression.

References: Nagumo et al., *Cancer Lett.* 2021; 511:15-25

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