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# **Tributyltin impaired reproductive success in female zebrafish through disrupting oogenesis, reproductive behaviors and serotonin synthesis**

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*Running title:* Mechanisms involved in tributyltin disrupted oogenesis and disturbed reproductive behaviors in female zebrafish.

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## **In the highlights,**

- -TBT impaired reproductive success in zebrafish female
- -TBT altered plasma level of E2 and disrupted oogenesis of the female
- -TBT disturbed reproductive behaviors of the female
- -TBT altered the expressions of genes in oogenesis, reproductive behavior and serotonin synthesis

## **Abstract**

Tributyltin (TBT), an organotin acting as aromatase (Cyp19a1) inhibitor, has been found to disrupt gametogenesis and reproductive behaviors in several fish species.

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