## **Poster #1845 Patrick Carnevale** Presenter

Cancer cells have revealed ZNF292 as a gene with unique features: it is present in both linear and circular RNA (circRNA) forms. We found that ZNF292 RNA levels change significantly after anticancer treatment.



Authors: P. Carnevale, K. Geren, J. Klein, K. Lefevers, S. Morris, B. **Cartwright**, VE Palau and David L. Hurley

## In Flavone-treated HCT116 cells, expression of ZNF292 linear and unique Circular (C1) RNA was significantly reduced.



1A

Circular

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Linear

**Flavone Treatment** 



Check it out online!





Grow HCT116 cells Treat with Flavone

Extract RNA

Perform qRT-PCR normalize to actin compare control

We hypothesize that both the linear and circular RNAs affected are involved in cancer progression; treatment with this flavone regulates cellular expression.



