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Impact of the cross-talk between circular and messenger RNAs on cell regulation

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**Highlights**

- A model for the miRNA mediated interactions between circRNA and mRNA is introduced and studied.
- Cross-talk between circRNA and mRNA is found to occur for a broad range of physiologically relevant parameters.
- The predictions of the model are validated on experimental data on selected circRNAs.
- The results suggest that circRNAs play a role in cell regulation and could thus be used as biomarkers.

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