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Review: RNA on the move: the plasmodesmata perspective

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Highlights

- RNA mobility is central to plant survival and this process is facilitated by plasmodesmata.
- PD are complex and diverse, and the relationship between PD and RNA mobility is not well understood.
- Models for RNA mobility and PD are largely based on plant viruses and viroids.
- RNA metabolism in organelles controls intercellular trafficking via PD and influence RNA mobility.
- Challenges in understanding and predicting PD-RNA interactions will be addressed with new experimental approaches.

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