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Control of DNA replication by cyclin-dependent kinases in development.

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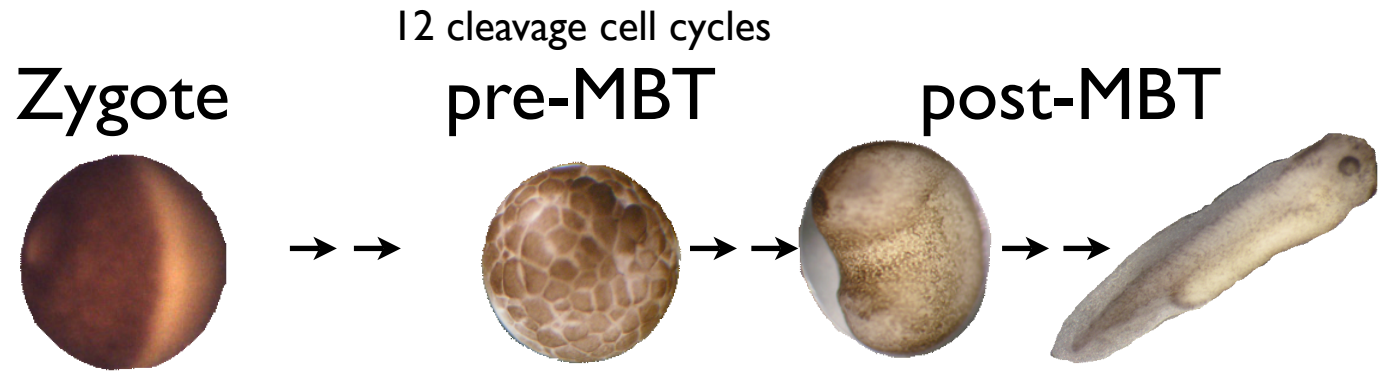
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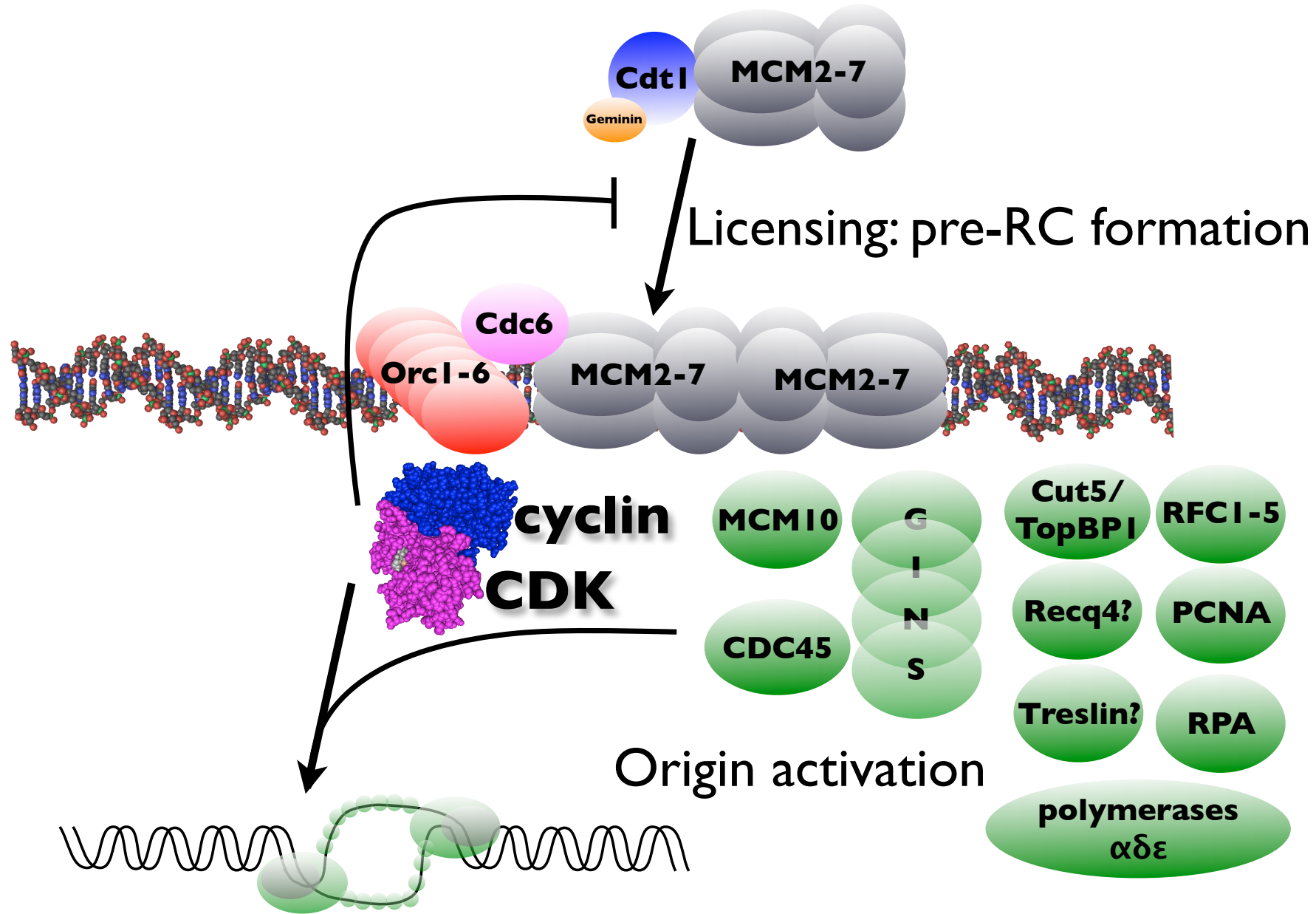
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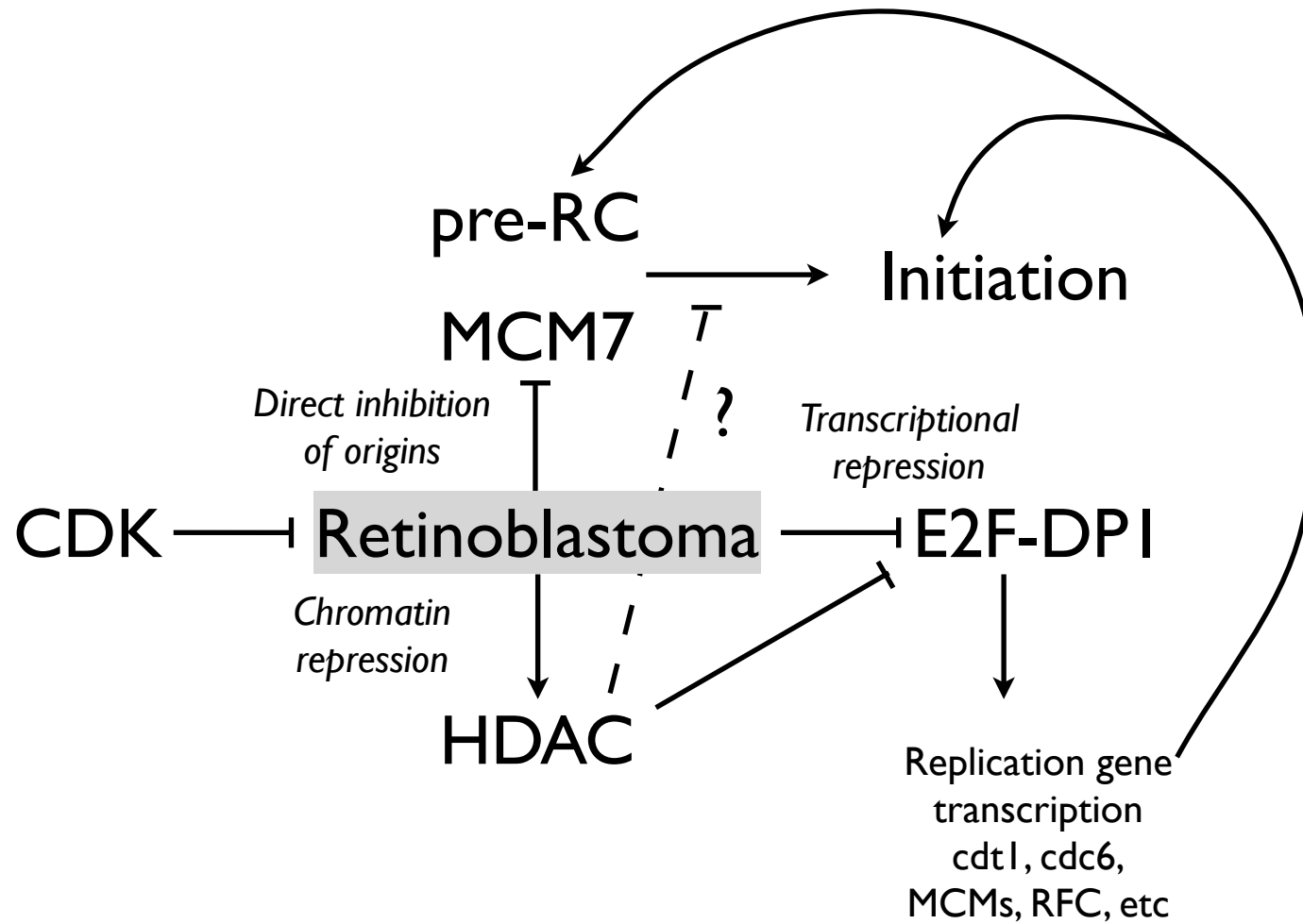
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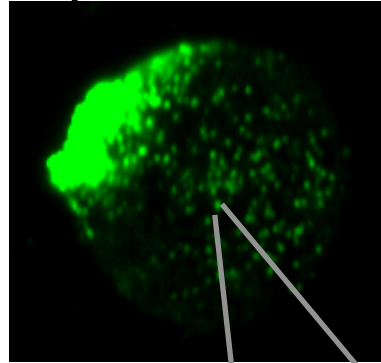


Cell cycle length:	25 minutes	Hours
Replication origin spacing:	5-25 kb	50-300 kb
Replication origin positions:	non-specific, constrained	locus-specific, defined
Transcription:	silent	active
Linker histone expression:	B4, HMGI	H1, H1°

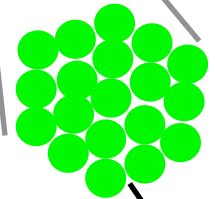
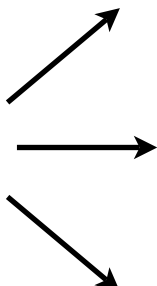




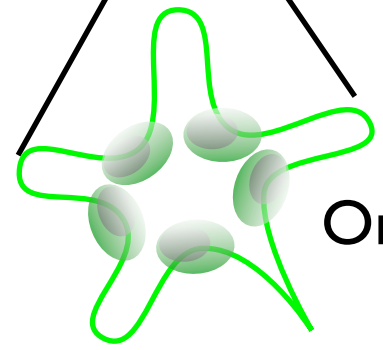
Replication foci



CDK



Origin clusters



Origins

Physiological process	Substrates
Chromatin remodelling	HAT, Rb, Histone H1, others?
Transcription	Rb, NPAT
Pre-RC formation	Cdc6
Origin activation	Rb, Treslin? Recq4? others?
Origin cluster/replication foci activation	Unknown