



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

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► To cite this version:

Daniel Fisher. Control of DNA replication by cyclin-dependent kinases in development.. Results and Problems in Cell Differentiation, 2011, 53, pp.201-17. 10.1007/978-3-642-19065-0_10 . inserm-00723366v2

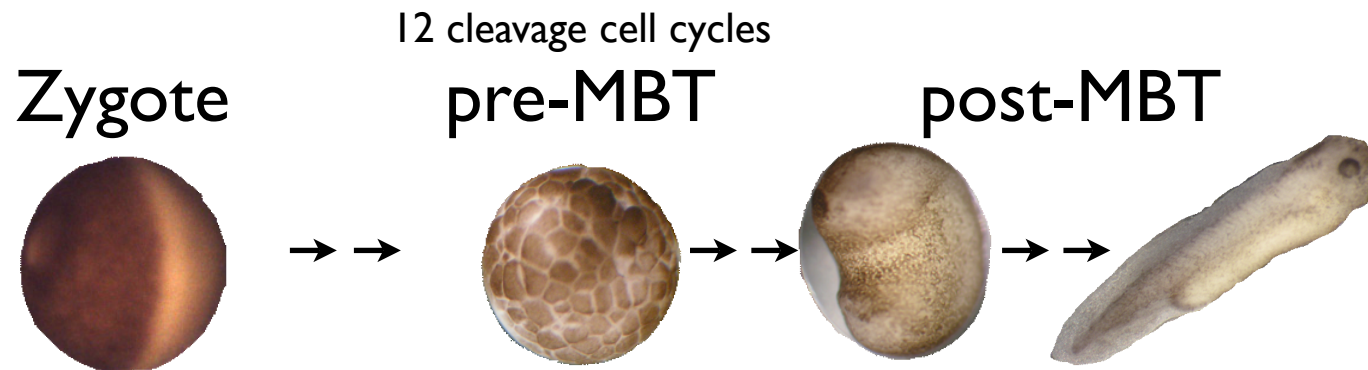
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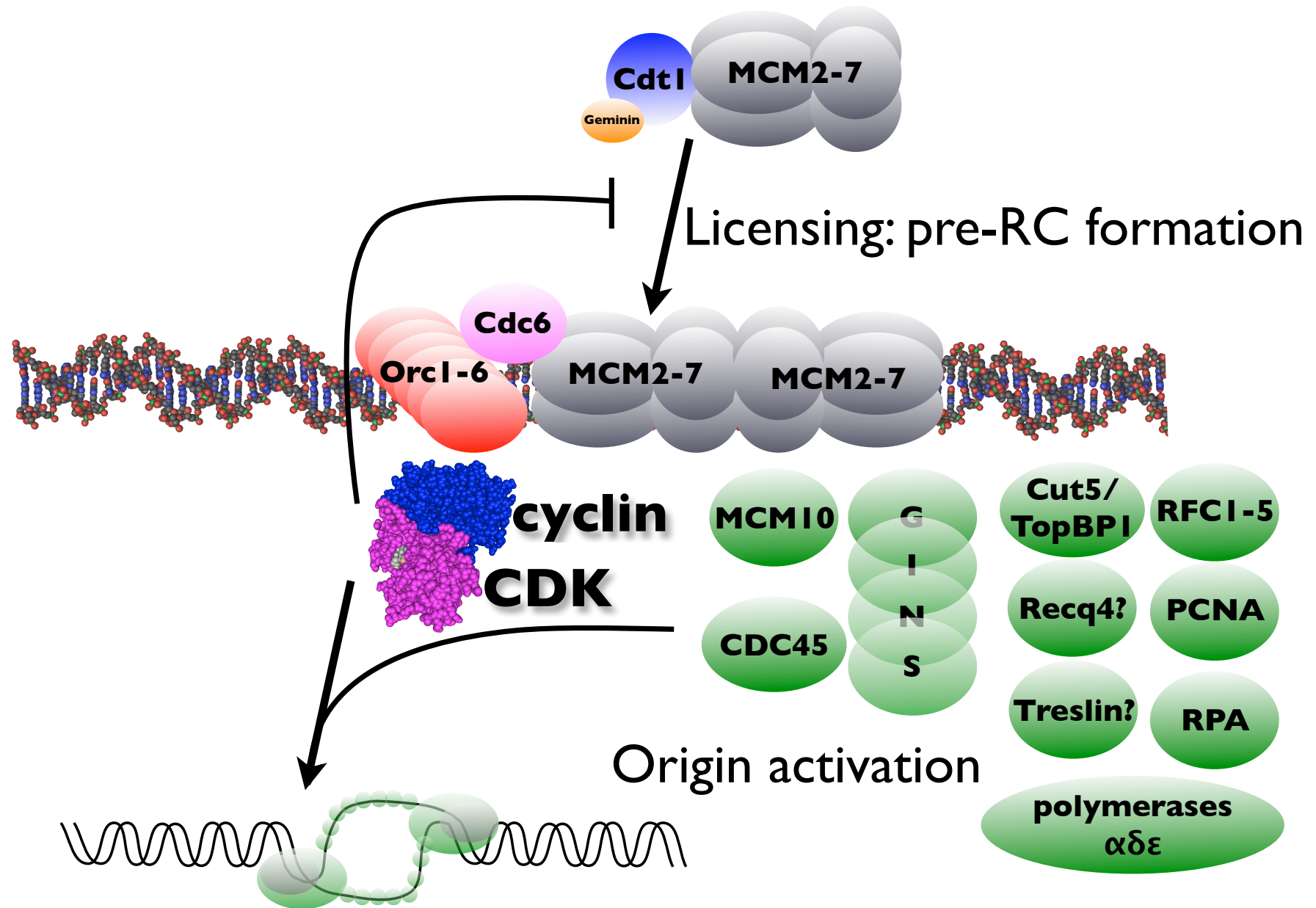
Submitted on 9 Aug 2012

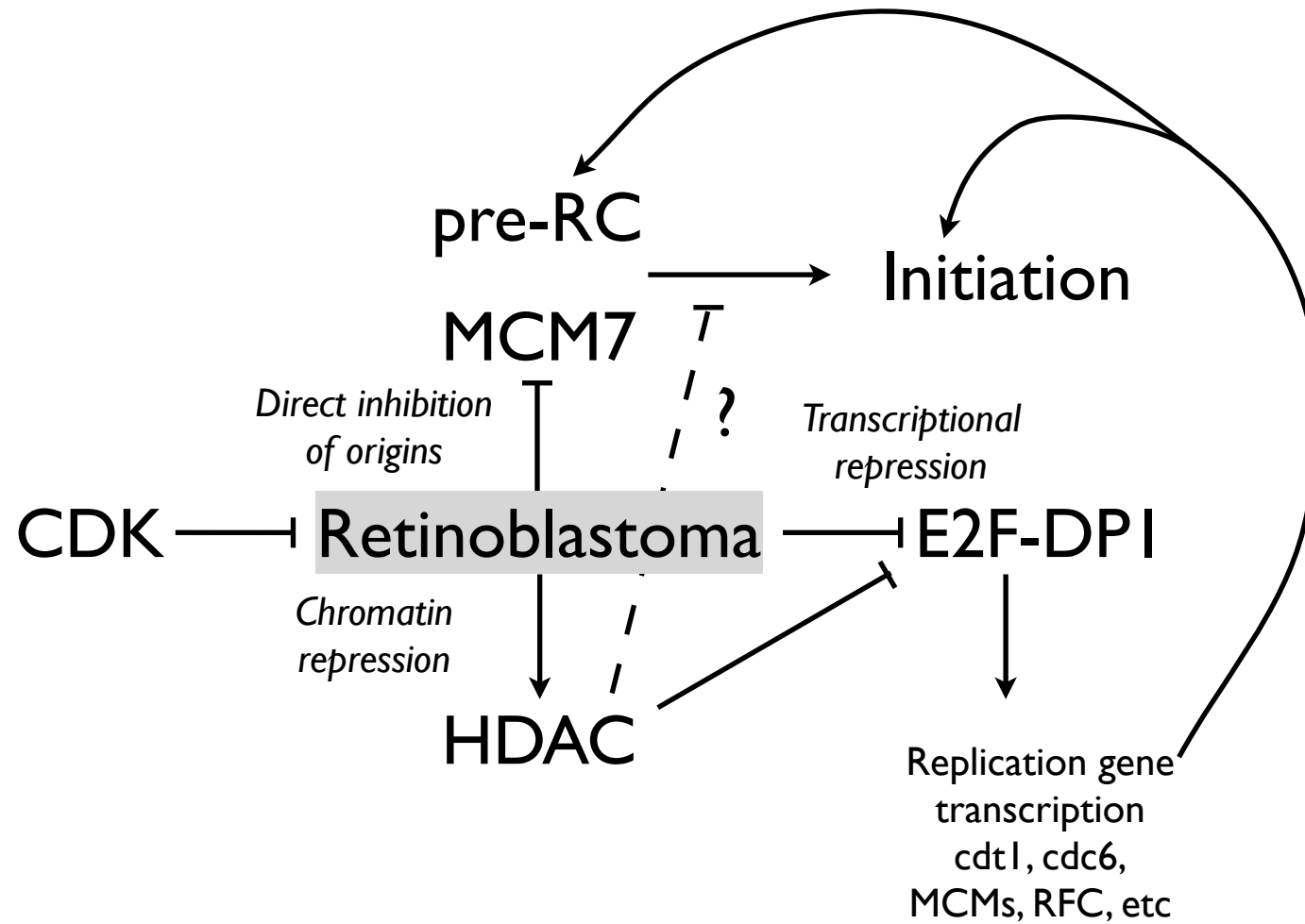
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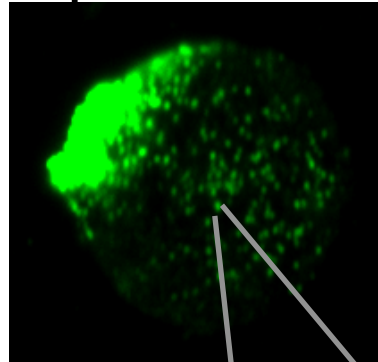


Cell cycle length:	25 minutes	Hours
Replication origin spacing:	5-25 kb	50-300 kb
Replication origin positions:	non-specific, constrained	locus-specific, defined
Transcription:	silent	active
Linker histone expression:	B4, HMGI	H1, H1°

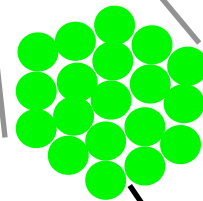




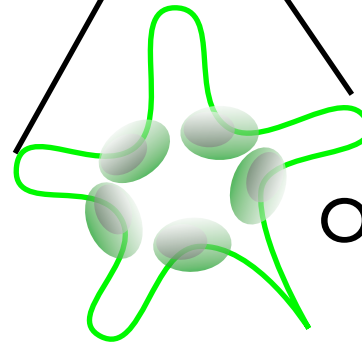
Replication foci



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