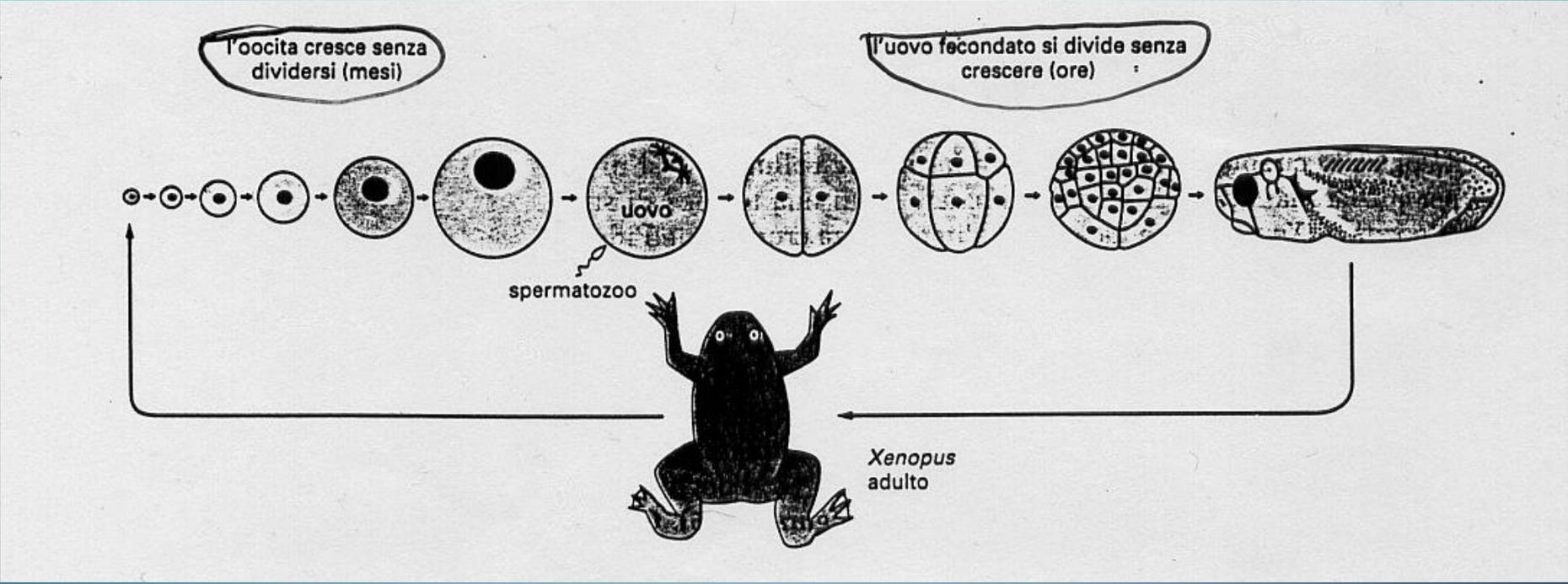
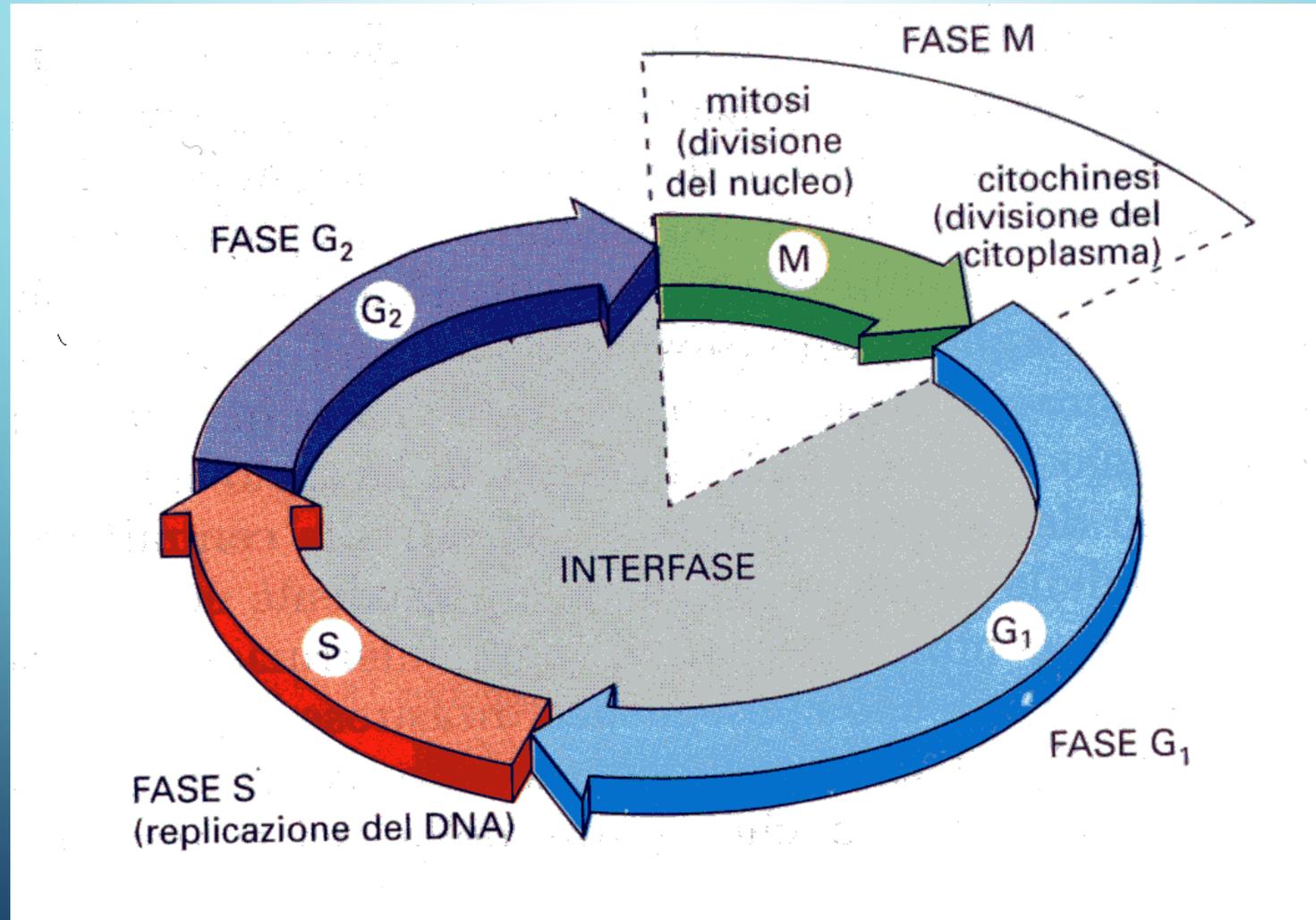


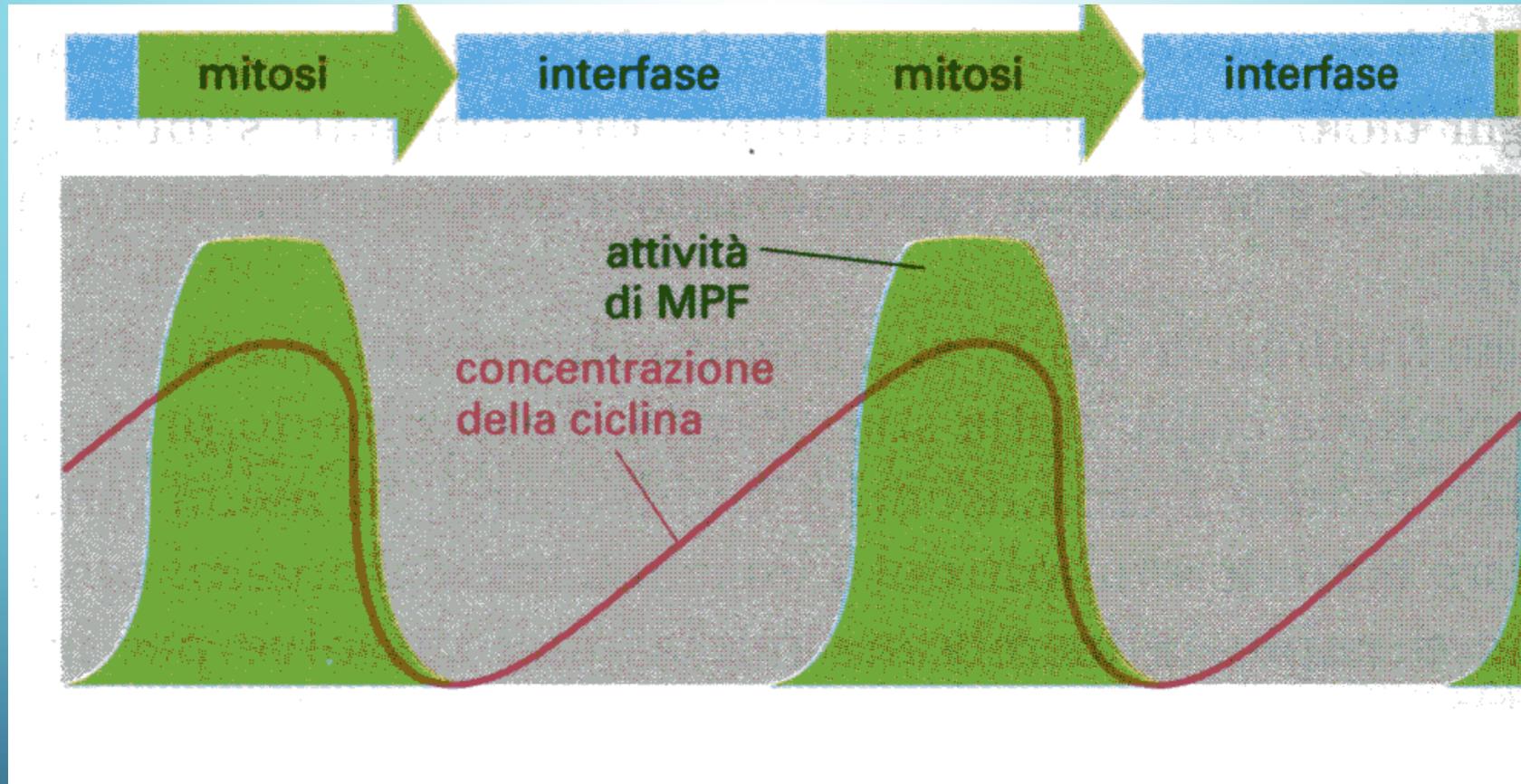
A decorative graphic on the left side of the slide, consisting of a network of light blue lines and small circles, resembling a circuit board or a neural network structure. The lines are vertical and horizontal, with some branching out, and the circles are placed at various points along these lines.

# **MPF E IL CONTROLLO DELLA DIVISIONE CELLULARE**



# IL CICLO CELLULARE





# MPF

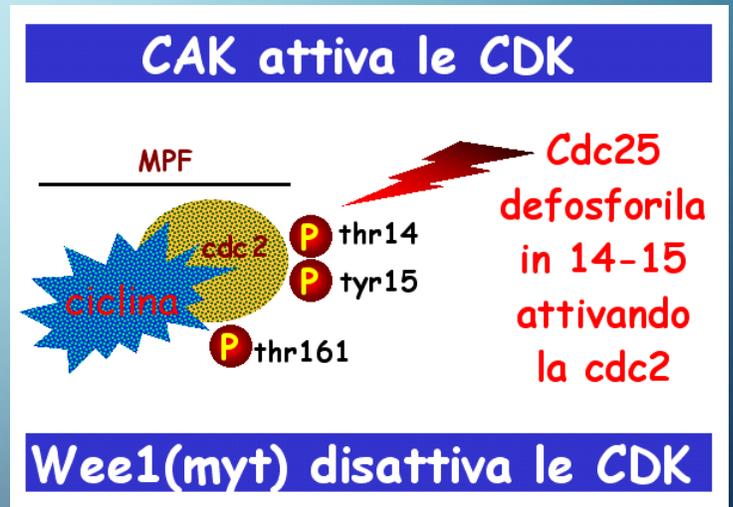
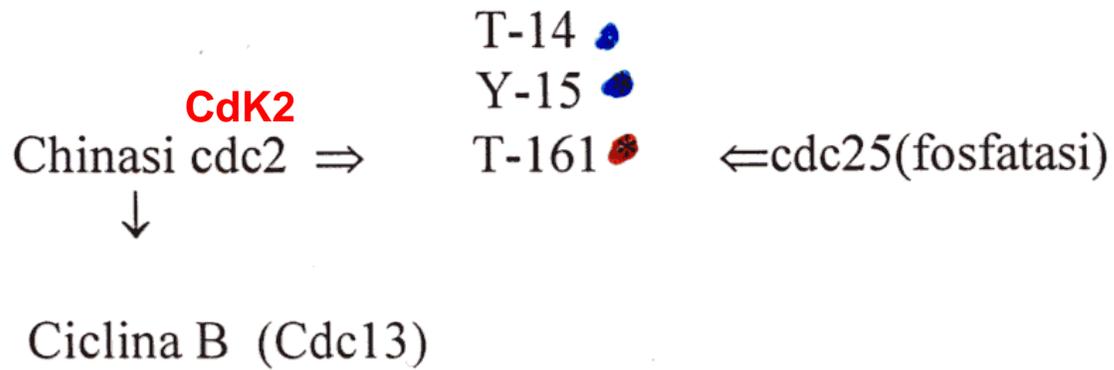
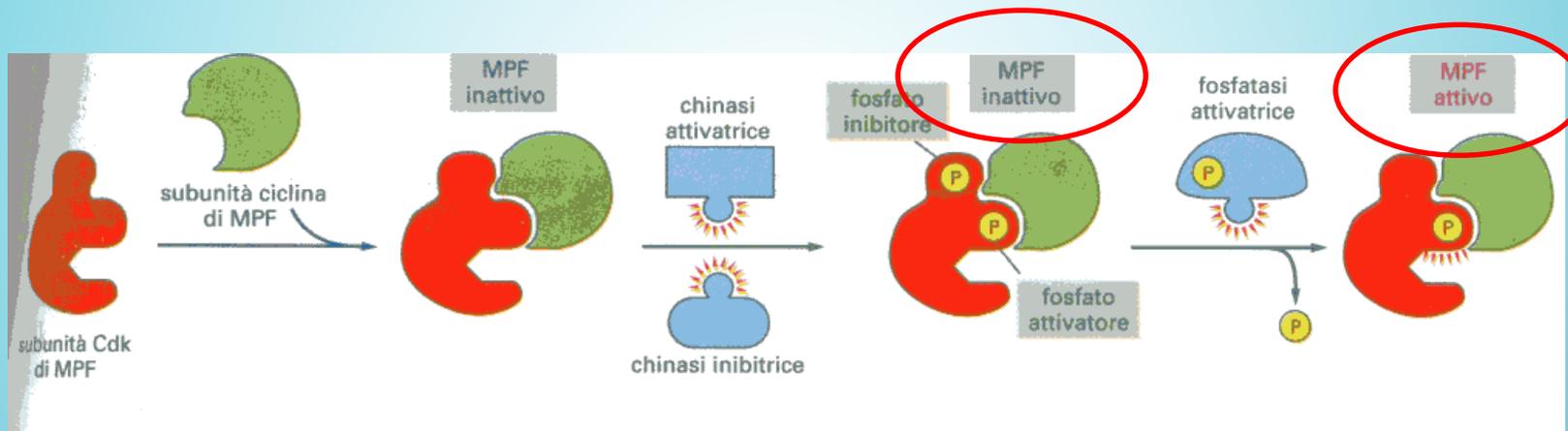
MPF  $\Rightarrow$  Fattore promuovente la mitosi  
Fattore promuovente la maturazione (dell'uovo)

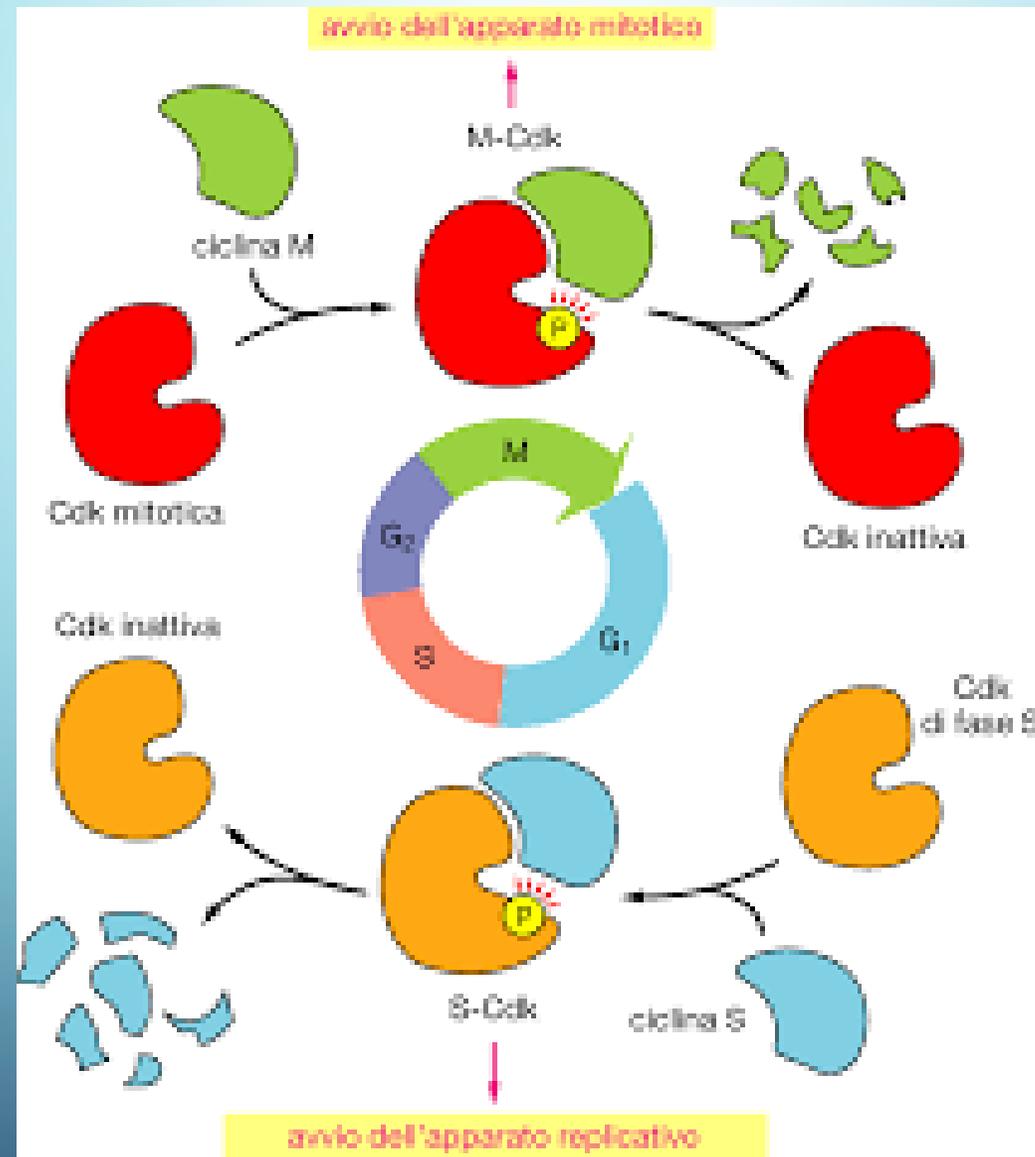
Costituito da due subunità: a) chinasi cdc2  
b) ciclina

Bersagli della chinasi cdc2

- 1) proteine istoniche
- 2) proteine lamine nucleari
- 3) RNA polimerasi
- 4) Miosina

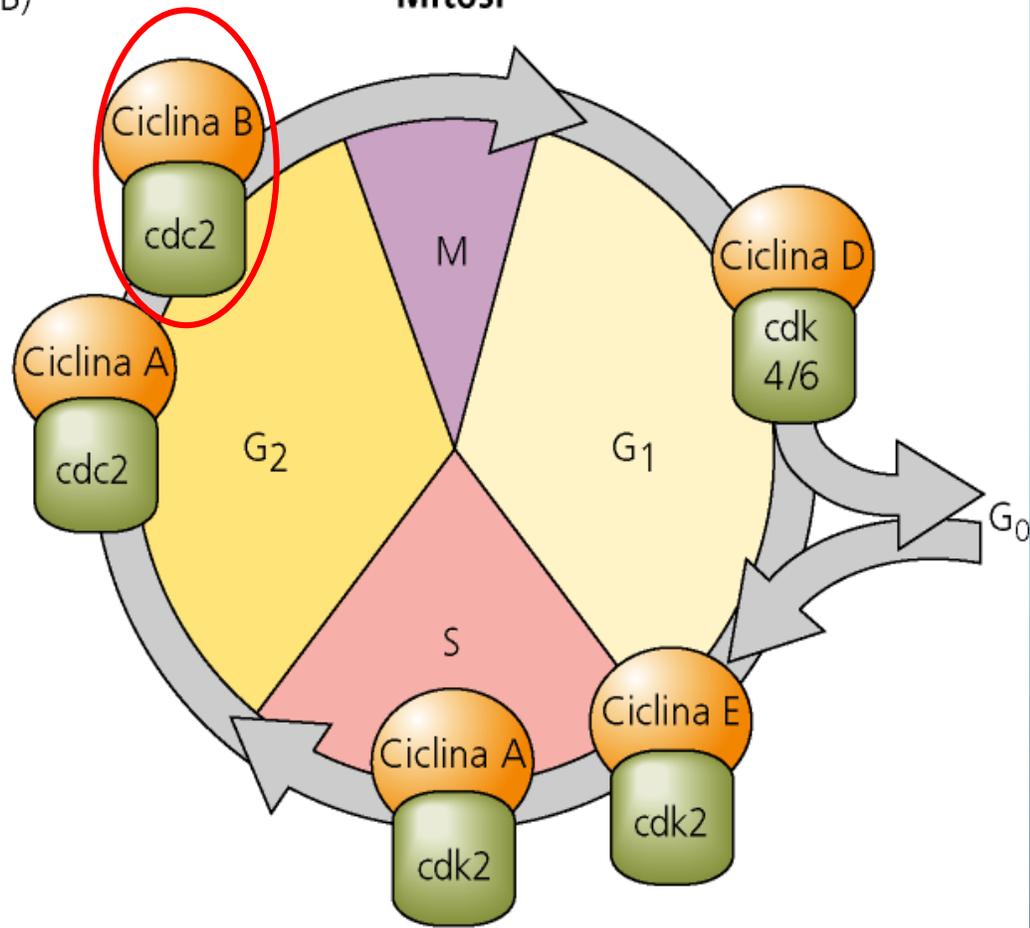






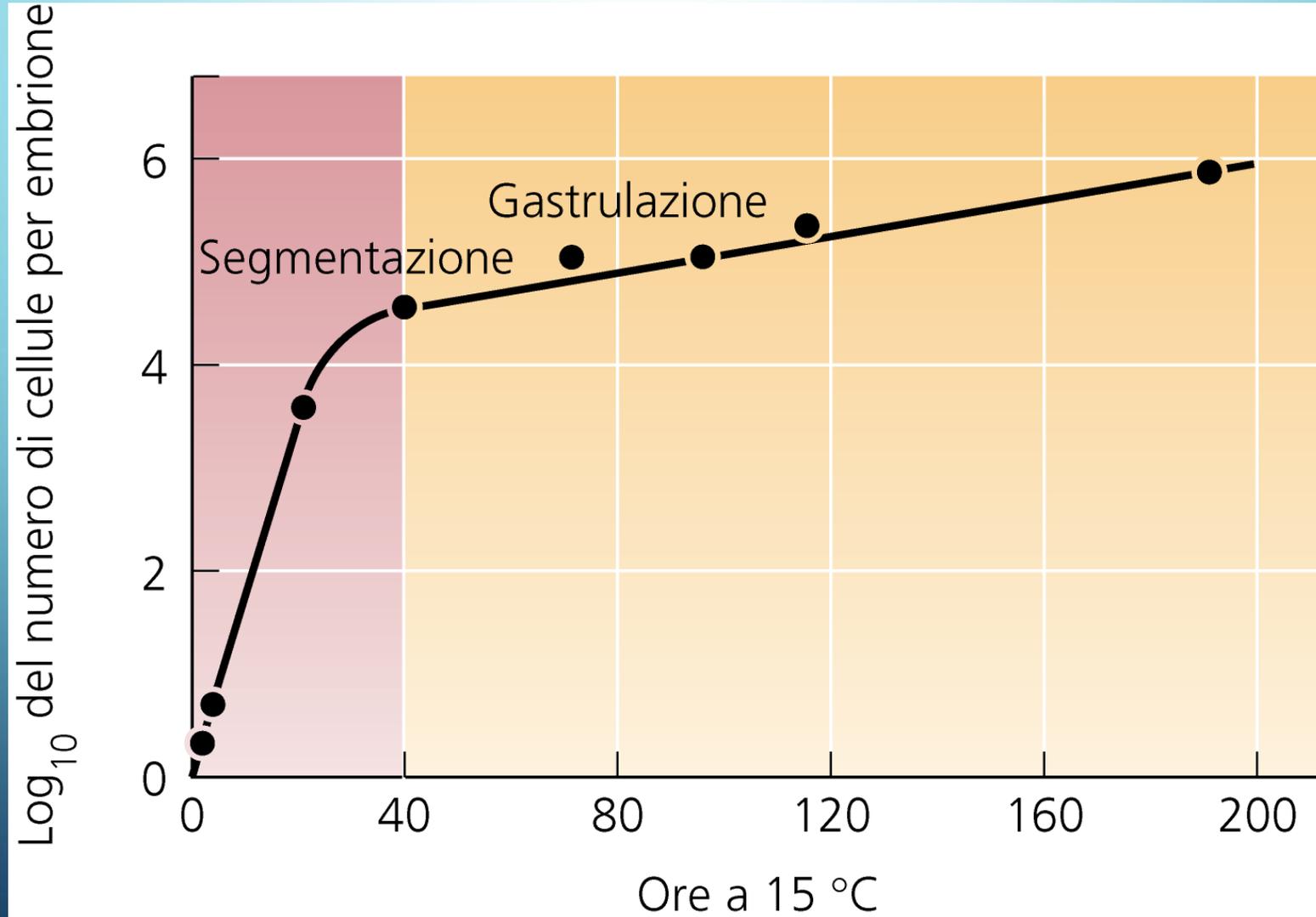
(B)

Mitosi

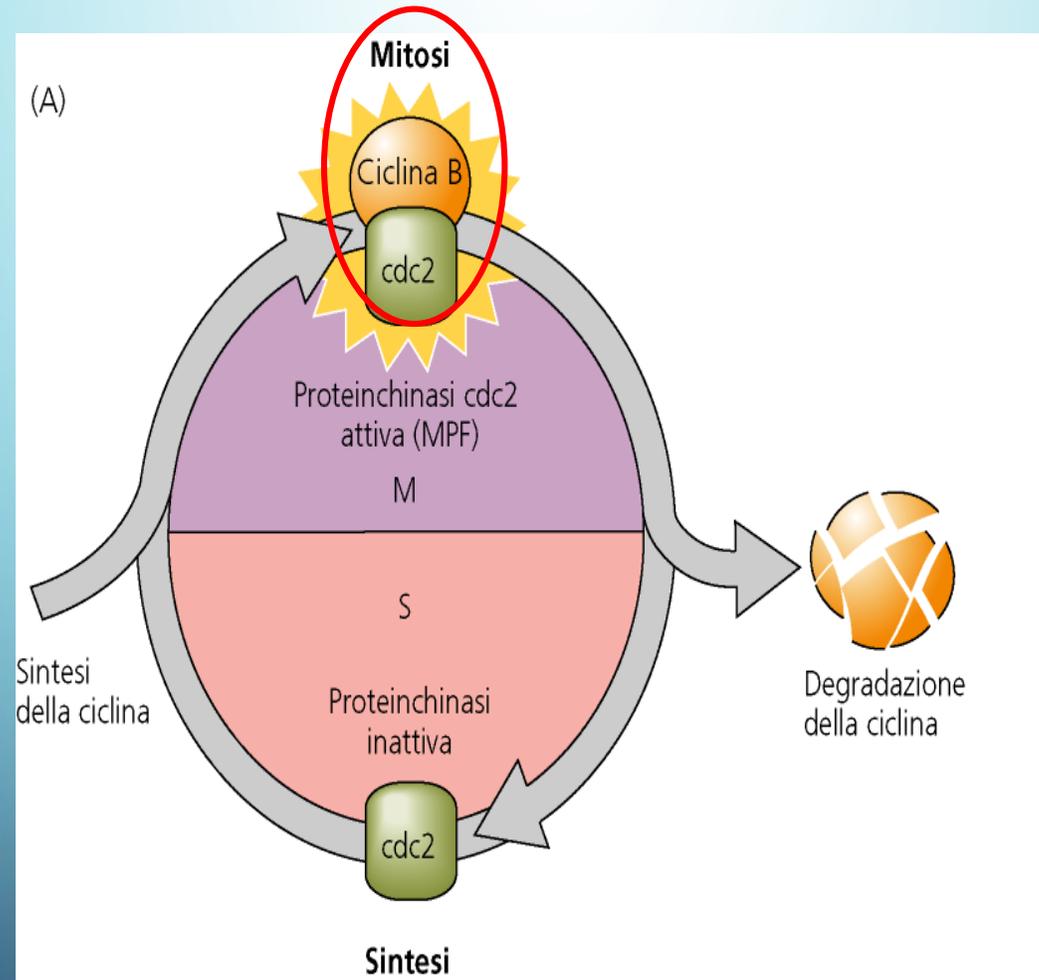


Interfase

# MPF E SEGMENTAZIONE

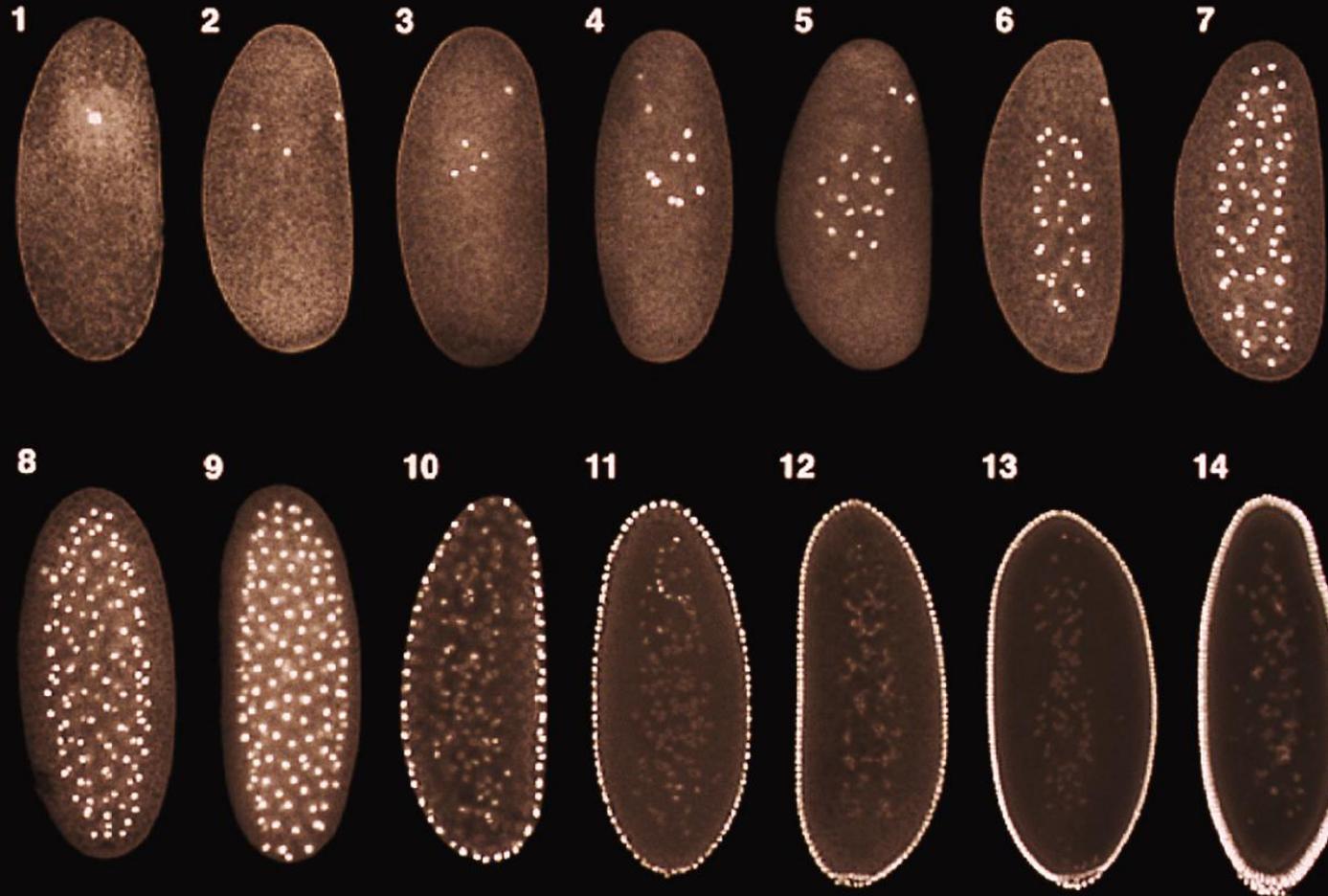


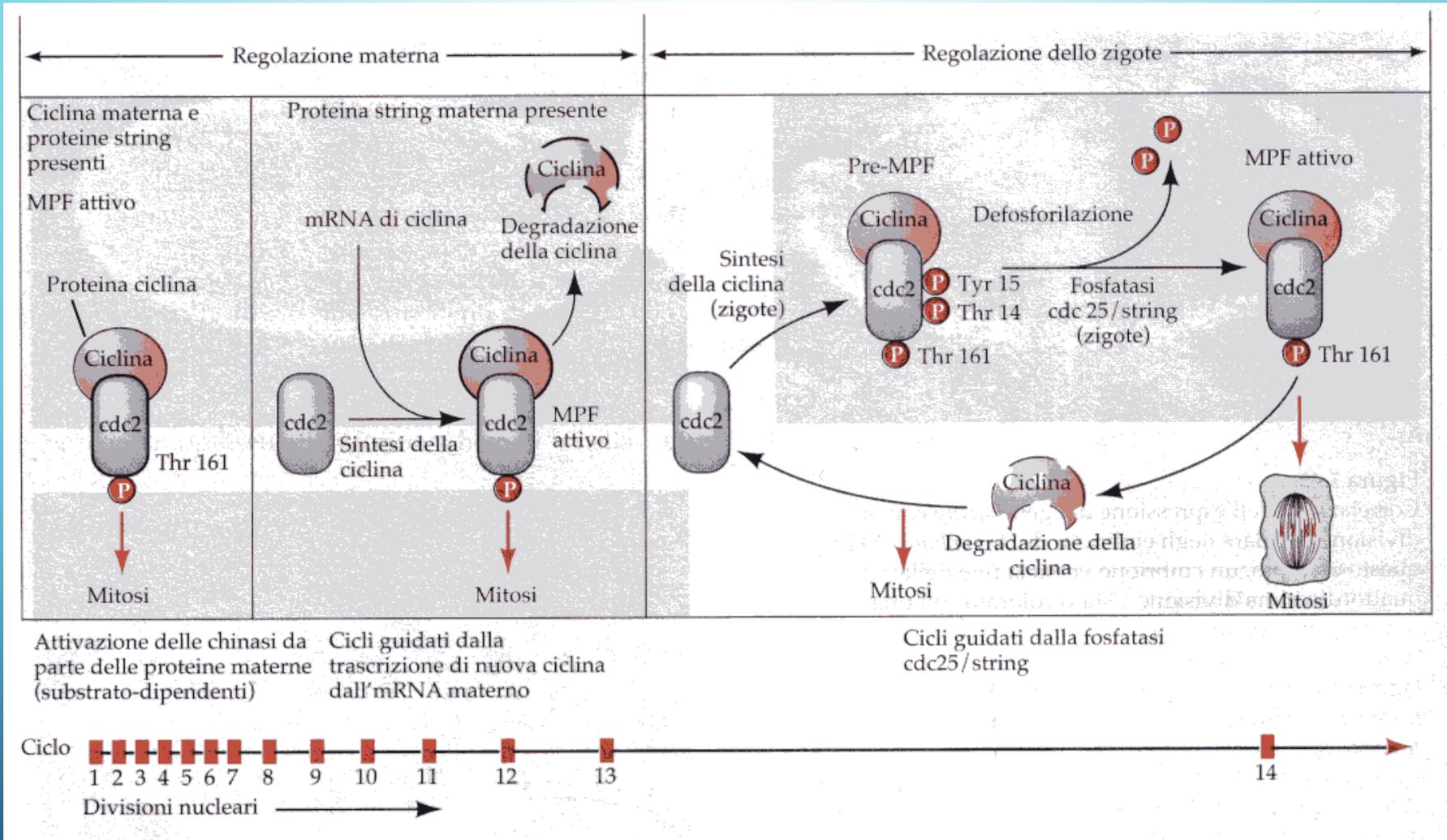
# I cicli di segmentazione iniziali possono essere di tipo bifasico (anfibi, Drosophila.....)



# SEGMENTAZIONE DROSOPHILA

Meroblastica superficiale



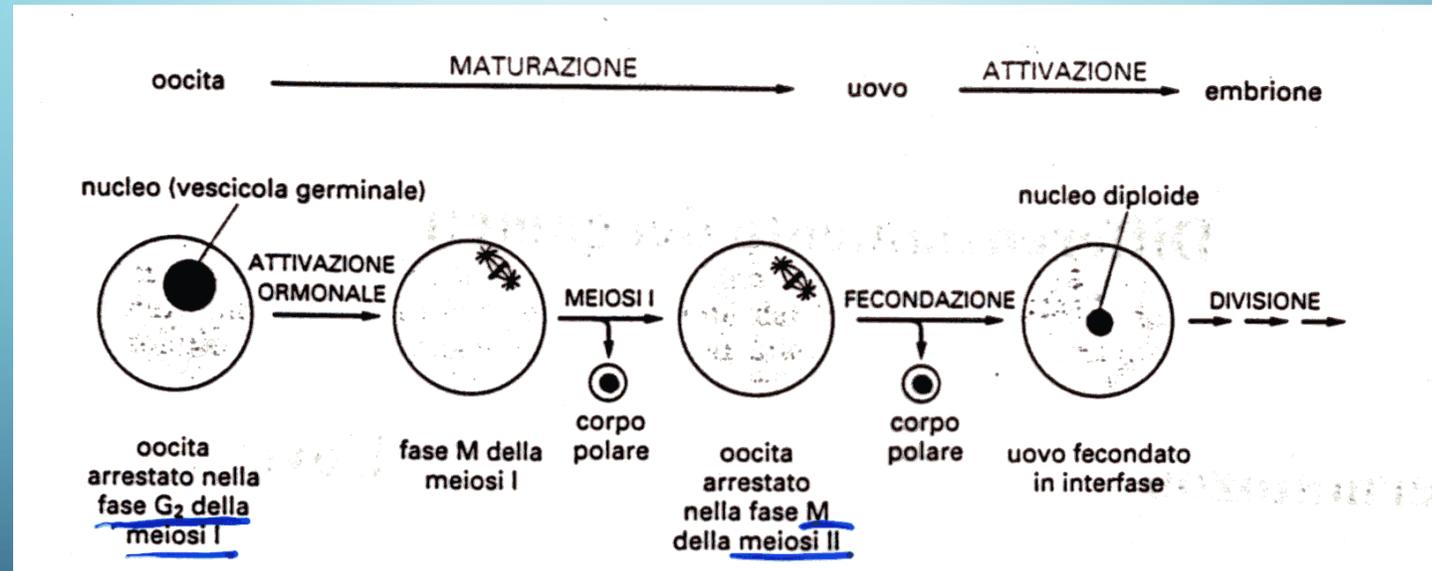


# MPF E OVOGENESI

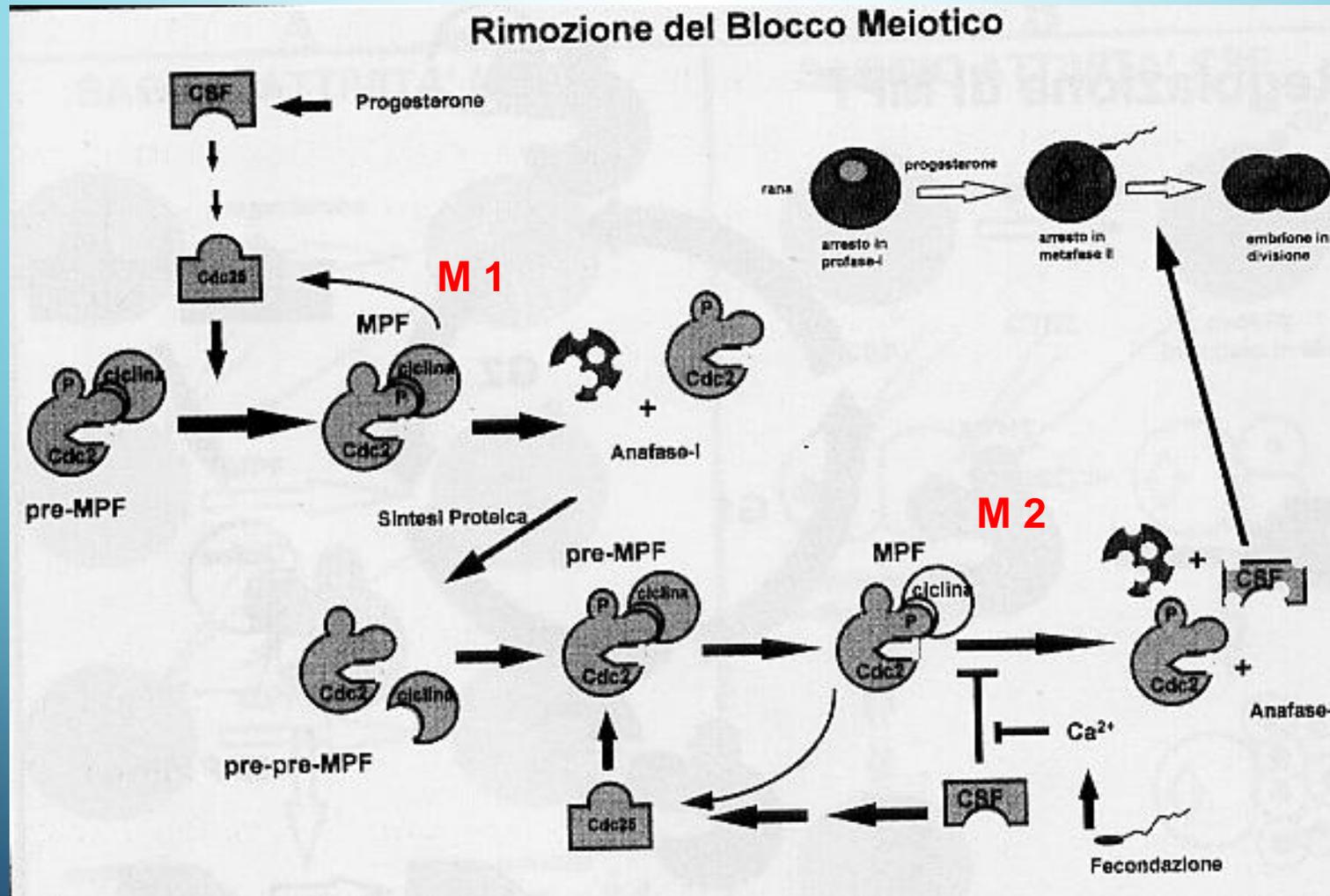
- MPF = Fattore che promuove la maturazione

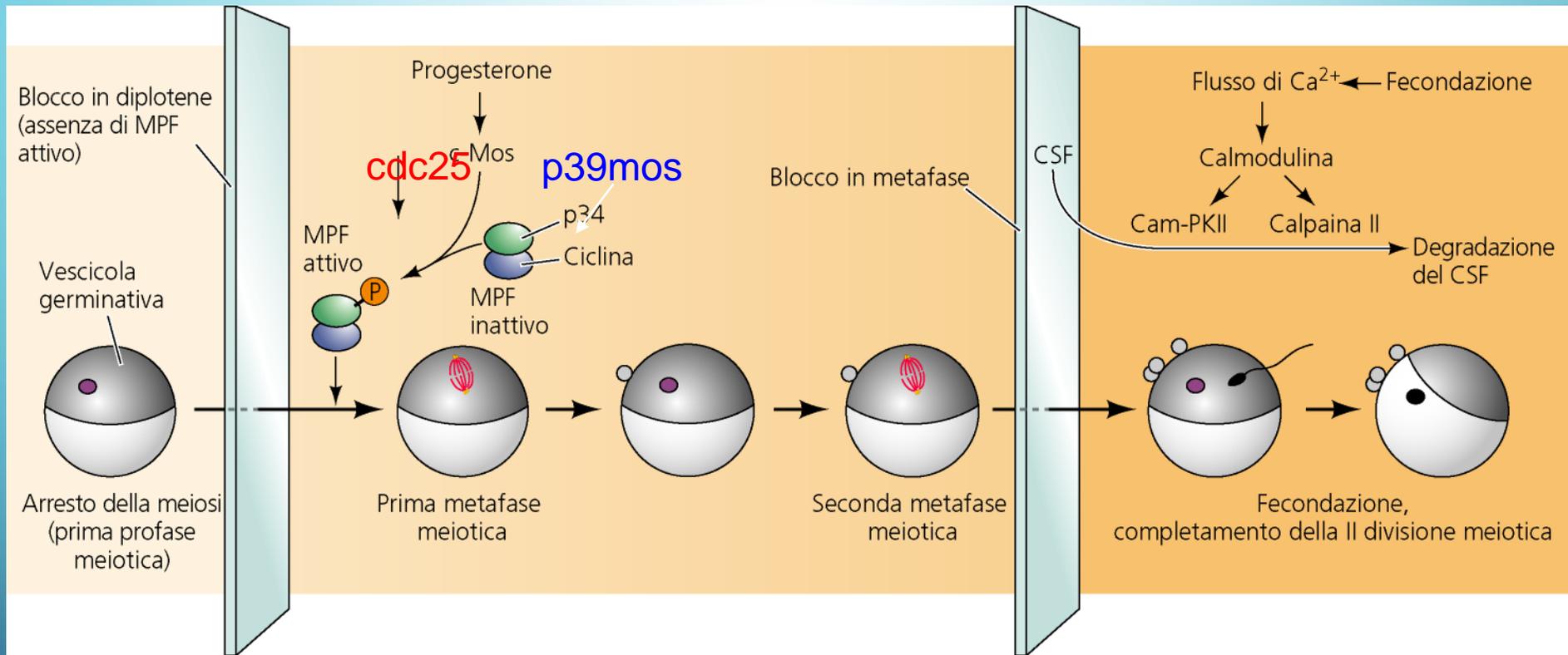


## Anfibi



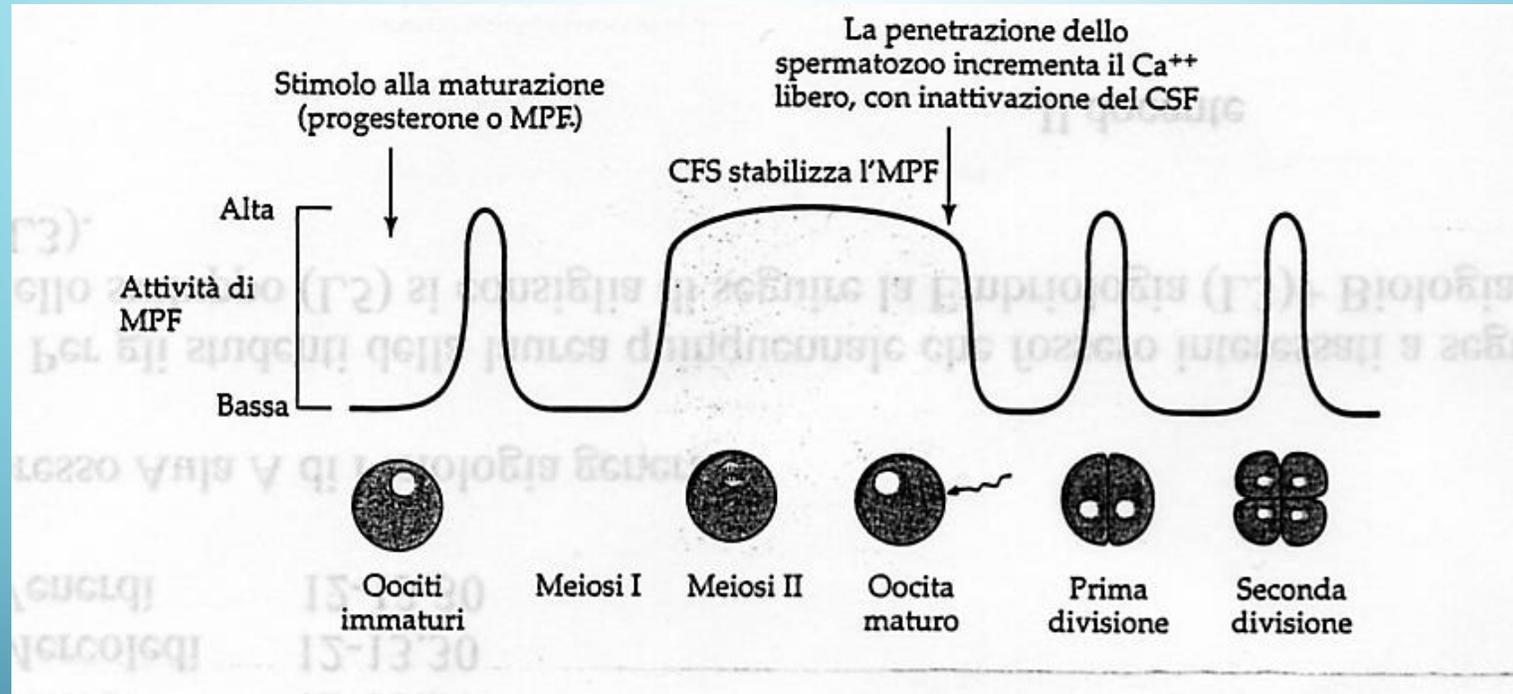
# MPF E BLOCCO MEIOTICO



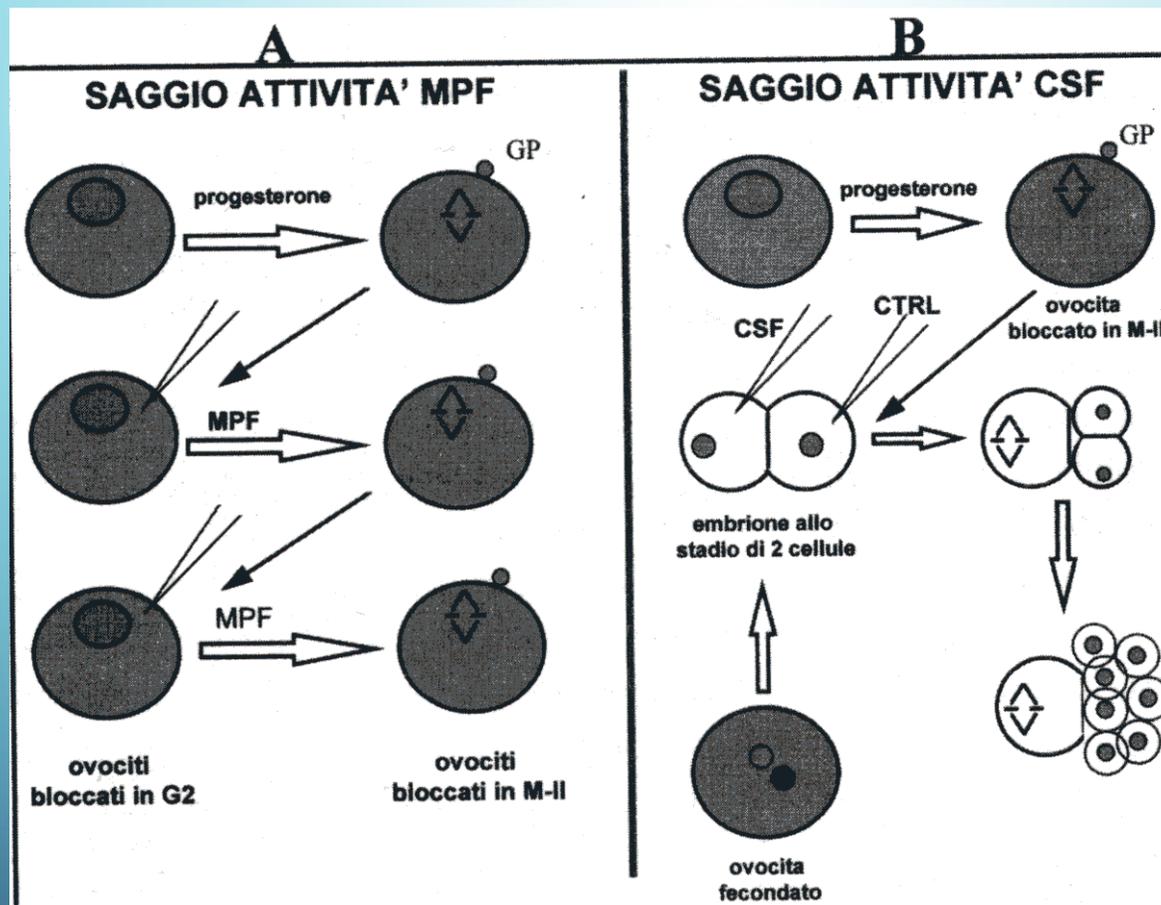


Primo blocco meiotico

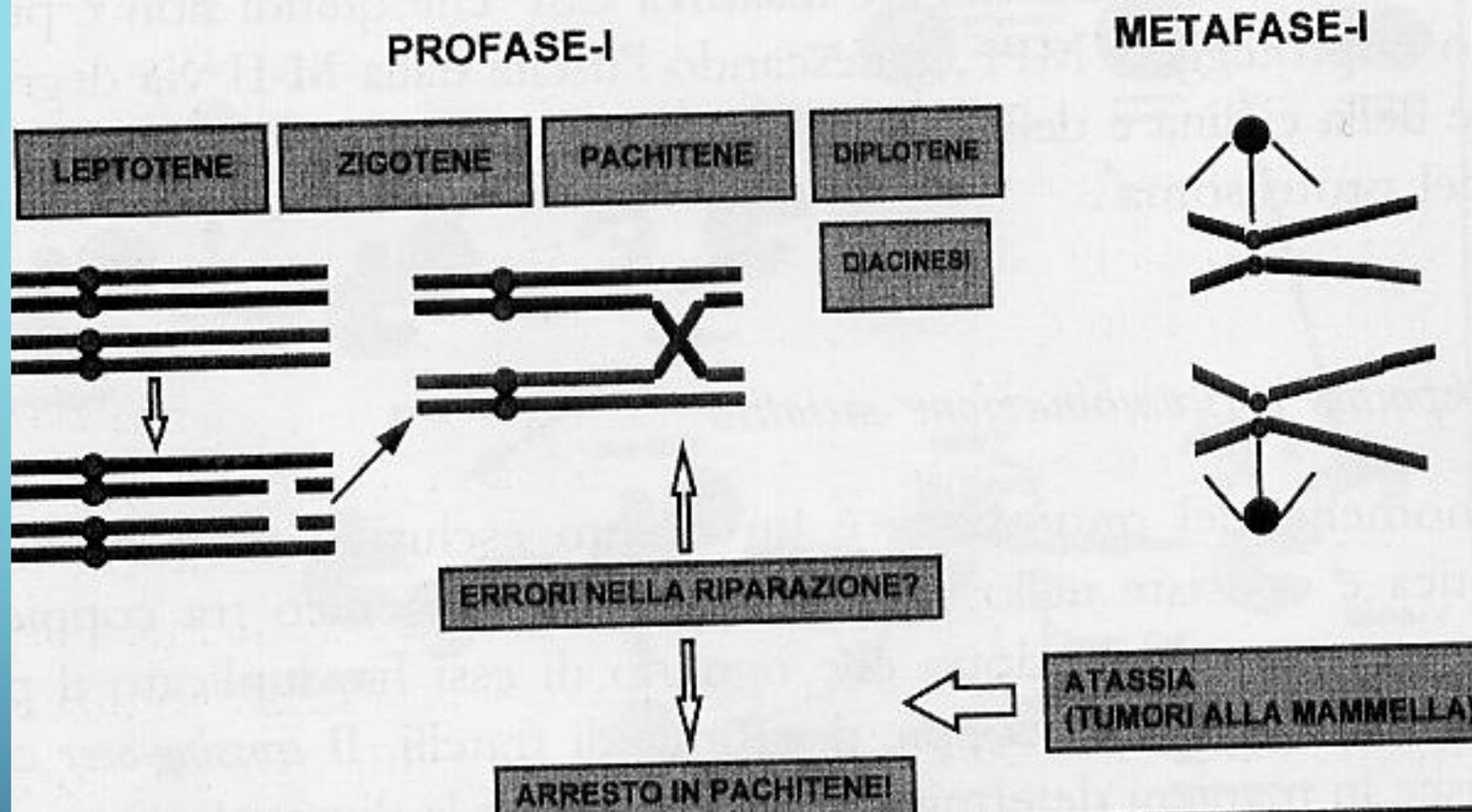
Secondo blocco meiotico dopo fecondazione



# SAGGI DI ATTIVITÀ



# Controllo Ricombinazione Meiotica



1. Rotture del DNA, prima o dopo crossing over
2. Mancata disgiunzione della coppia di omologhi