

Chromosome Dynamics during Mitosis in Fission Yeast

Hadrien Mary

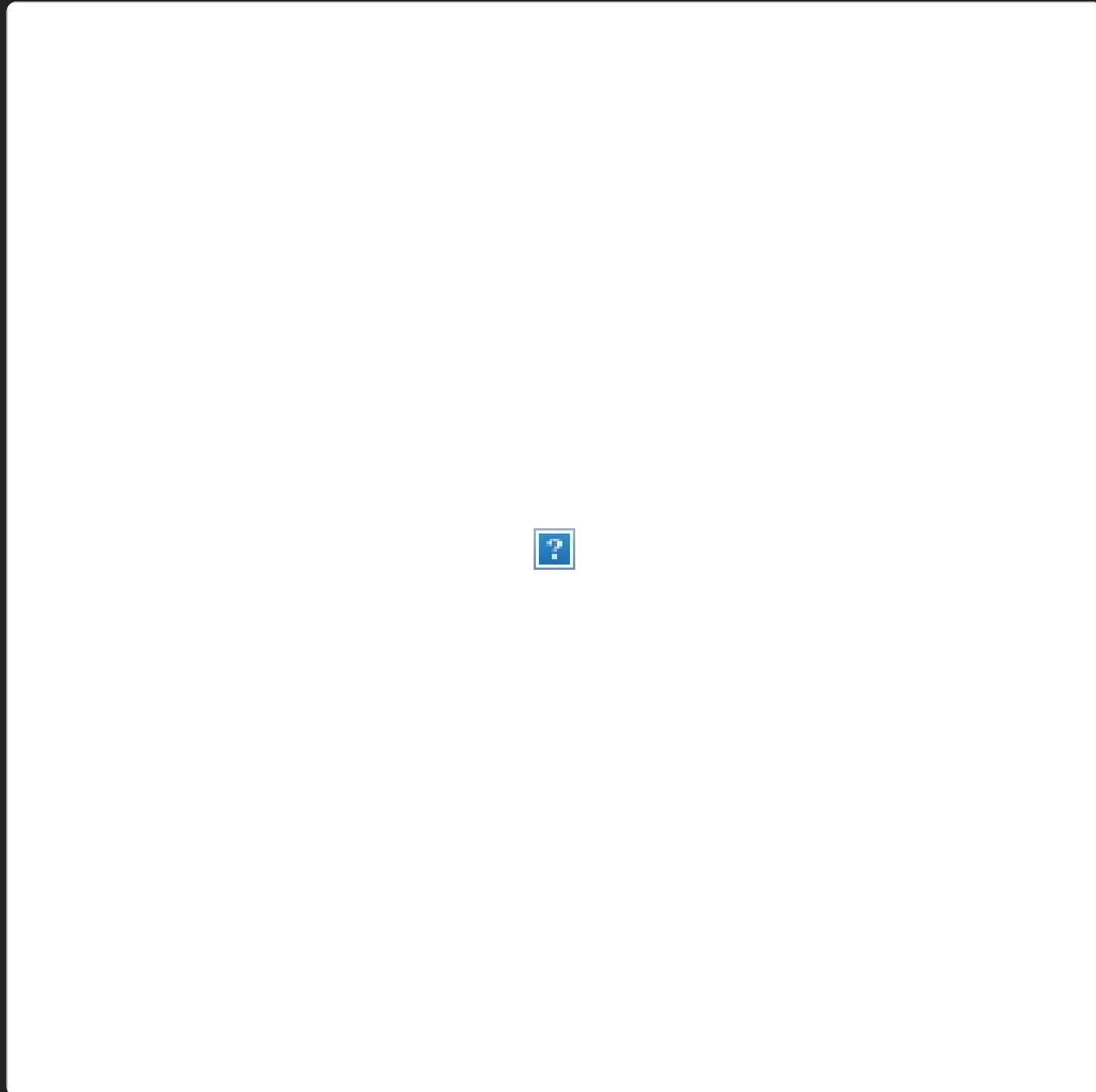
Tournier-Gachet Team - Spatio-Temporal Control of Cell Division

LBCMCP - CNRS - Toulouse - France

Décembre 2015

Mitosis

"The dream of every cell is to become two cells." (François Jacob, 1974)



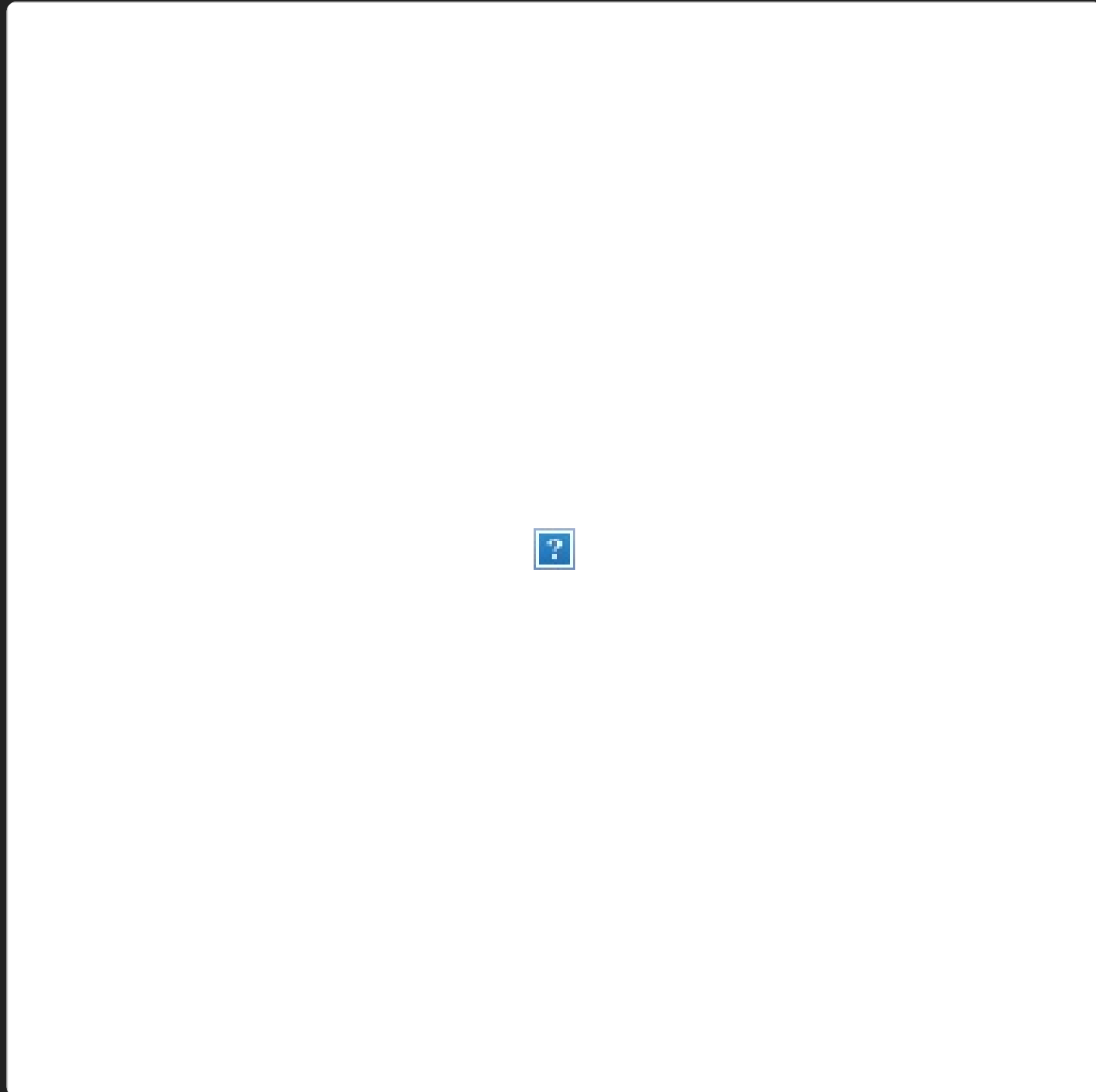
Mitosis is a critical phase during cell cycle

- allow genetic stability
- defects can lead to aneuploidy
- unregulated cell growth can lead to cancer

Haemanthus katherinae cell, Inoué, 1998

Mitosis

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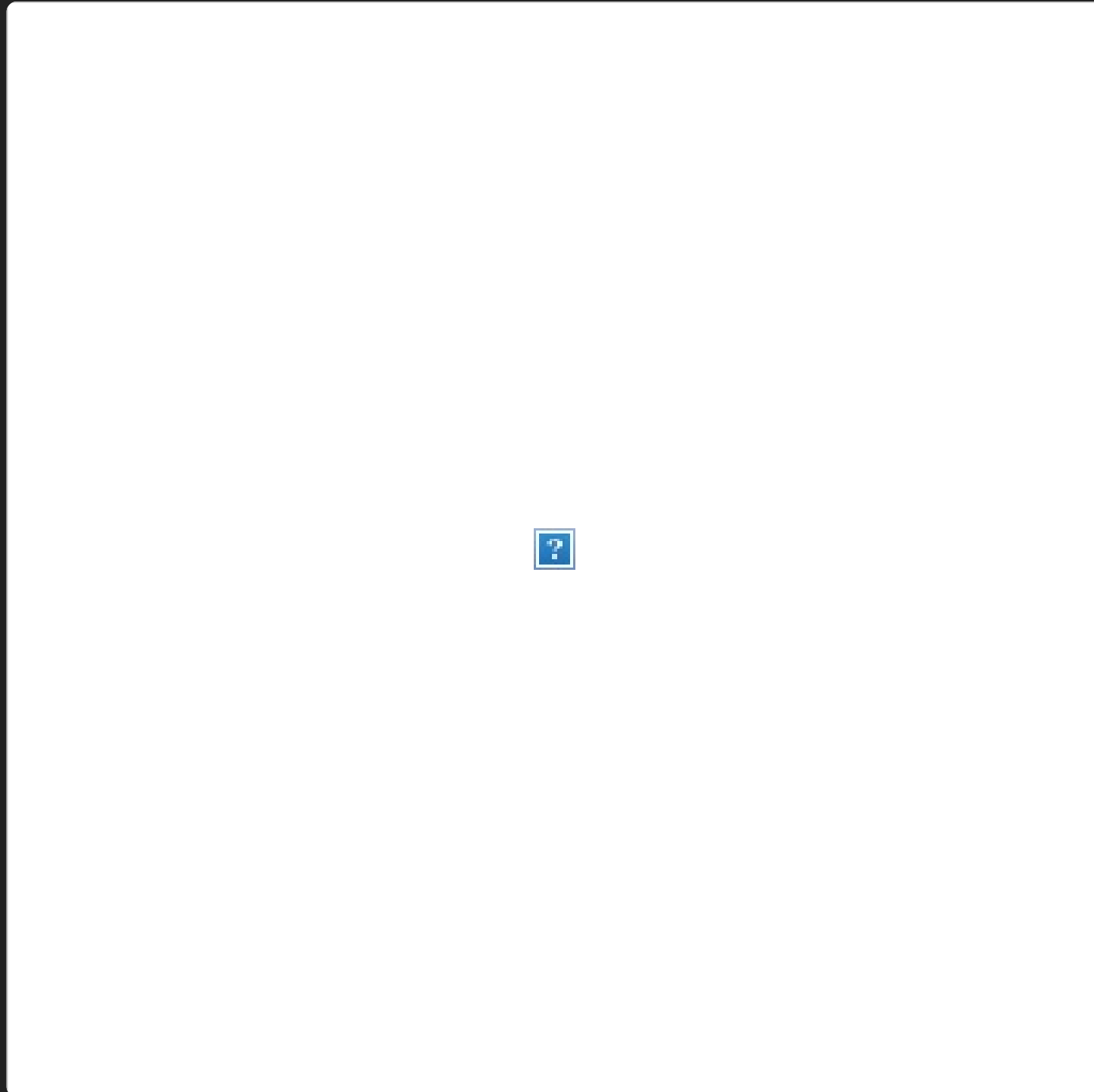
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Forces are required to move chromosomes during mitosis.

Résultats

Discussion

Remerciement

Equipe Tournier-Gachet (LBCMCP)

- Céline Reyes
- Tong Li
- Simon Cabello
- Yannick Gachet
- Sylvie Tournier

Autres

- Guillaume Gay (damcb.com)
- Jonathan Fouchard
- Tiphaine Gautier
- Clémence Gruget
- Thomas Mangeat



Ce travail de thèse a été soutenu par ANR Blanc 1206 01 "Chromocatch" et FRM (ING 2012 1226 280) "innovative project".

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