

Lecture consigliate

- Carmenta M, Wheelock M, Funabiki H, *et al.* The chromosomal passenger complex (CPC): from easy rider to the godfather of mitosis. *Nat Rev Mol Cell Biol* 2012;13:789–803.
- Cheeseman IM, Desai A. Molecular architecture of the kinetochore-microtubule interface. *Nat Rev Mol Cell Biol* 2008;9:33–46.
- Ciccio A, Elledge SJ. The DNA damage response: making it safe to play with knives. *Mol Cell*. 2010;40:179–204.
- Dyson NJ. RB1: a prototype tumor suppressor and an enigma. *Genes Dev.* 2016;30:1492–502.
- Evans T, Rosenthal ET, Youngblom J, *et al.* Cyclin: a protein specified by maternal mRNA in sea urchin eggs that is destroyed at each cleavage division. *Cell* 1983;33:389–96.
- Hanahan D, Weinberg RA. Hallmarks of cancer: the next generation. *Cell* 2011;144:646–74.
- Hartwell LH, Weinert TA. Checkpoints: controls that ensure the order of cell cycle events. *Science* 1989;246:629–34.
- Holland AJ, Cleveland DW. Losing balance: the origin and impact of aneuploidy in cancer. *EMBO Rep* 2012;13:501–14.
- Jackson SP, Bartek J. The DNA-damage response in human biology and disease. *Nature* 2009;461:1071–8.
- Lane DP. Cancer. p53, guardian of the genome. *Nature* 1992;358:15–6.
- Lindqvist A, Rodríguez-Bravo V, Medema RH. The decision to enter mitosis: feedback and redundancy in the mitotic entry network. *J Cell Biol* 2009;185:193–202.
- Malumbres M, Barbacid M. Cell cycle, CDKs and cancer: a changing paradigm. *Nat Rev Cancer* 2009;9:153–66.
- Malumbres M. Cyclin-dependent kinase inhibitors as cancer therapeutics. *Trends Pharmacol Sci* 2023;44:390–402.
- McKinnon PJ. ATM and ataxia telangiectasia. *EMBO Rep* 2004;5:772–6.
- Musacchio A, Salmon ED. The spindle-assembly checkpoint in space and time. *Nat Rev Mol Cell Biol* 2007;8:379–93.
- Nasmyth K, Haering CH. The structure and function of SMC and kleisin complexes. *Annu Rev Biochem* 2005;74:595–648.
- Peters JM. The anaphase promoting complex/cyclosome: a machine designed to destroy. *Nat Rev Mol Cell Biol* 2006;7:644–56.
- Sherr CJ, Roberts JM. CDK inhibitors: positive and negative regulators of G1-phase progression. *Genes Dev* 1999;13:1501–12.
- Vousden KH, Lane DP. p53 in health and disease. *Nat Rev Mol Cell Biol* 2007;8:275–83.
- Weinberg RA. The retinoblastoma protein and cell cycle control. *Cell* 1995;81:323–30.