



Cover: The spindle assembly checkpoint is responsible for controlling proper execution of mitotic division. Weakening of the checkpoint can result in aberrant chromosome segregation. Here, antibodies against α -tubulin (green) and pericentrin (red) were used to mark the mitotic spindles and spindle poles, respectively, and DAPI to stain the DNA (blue). This image shows that drugs that target the mitotic spindle and mitotic kinases can cause the formation of multipolar spindles, which can lead to incorrect chromosome segregation. For detail see O'Connor et al., page 11. Image credit: Aisling O'Connor.

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