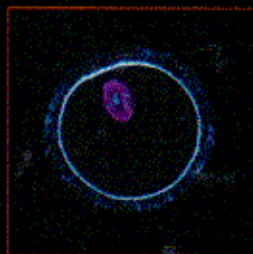


MITOSIS AND MEIOSIS PART B



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The capacity to observe mitosis and meiosis by microscopy has been instrumental for the present knowledge about these processes since their very original description more than 100 years ago (in case we want to avoid using processes twice). For this reason, we decided to dedicate an entire Volume (Mitosis and Meiosis, Part B) of these *Methods in Cell Biology* series to the most recent microscopy advances, as well as to unique micromanipulation techniques, that are currently being used/developed to investigate the intricacies of mitosis and meiosis. This is the ideal complement to the previous Volume (Mitosis and Meiosis, Part A) that is more focused on the molecular dissection and analysis of mitosis and meiosis in a plethora of model systems and humans.

KEY FEATURES

- State-of-the-art methods for live-cell and super-resolution analysis of mitosis and meiosis;
- Powerful micromanipulation and microsurgery techniques explained by world experts;
- Correlative light-electron microscopy of mitosis and meiosis;
- In vivo imaging of mitosis and meiosis in animals and plants; ®

Cover image: Mouse oocyte during the first meiotic division, labelled for chromosomes (cyan), microtubules (magenta) and actin (white-blue). Image is a courtesy of K. Bianka Seres and Melina Schuh, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany.

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