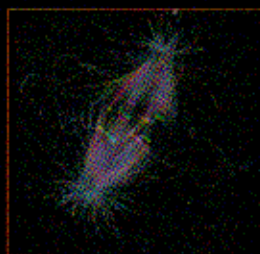


MITOSIS AND MEIOSIS PART A



Edited by

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Mitosis and Meiosis, Part A, Volume 144, a new volume in the Methods in Cell Biology series, continues the legacy of this premier serial with quality chapters authored by leaders in the field. Unique to this updated volume are chapters on CRISPR-Cas9 gene inactivation in the study of mitosis, the development of optogenetics and force sensors, analysis of the tubulin code, chromosome and kinetochore purification, and many others, covering a wide range of model systems. Several chapters also cover the state-of-the-art in the manipulation and analysis of meiosis, from yeast to man. A separate special Volume (Mitosis and Meiosis, Part B) is exclusively dedicated to the most recent advances in microscopy and micromanipulation of mitosis and meiosis.

KEY FEATURES

- State-of-the-art methods for the molecular dissection of mitosis and meiosis;
- All chapters authored by established leaders in the field;
- Detailed and ready to use protocols with practical tips;
- Beautiful illustration and documentation of the methods covered;

Cover image: STED image of a female Indian muntjac fibroblast undergoing mitosis (metaphase). Spindle microtubules and the six kinetochore pairs are colour-coded to reveal field depth and chromosome edges are in white. Credits: Ana C. Almeida & Helder Maiato, i3S - University of Porto, Portugal.

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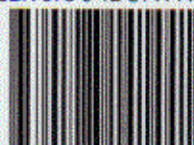


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