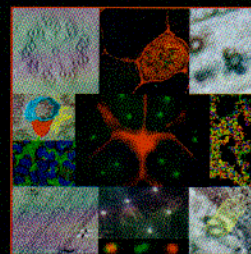


CENTROSOME & CENTRIOLE



Edited by

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The centrosome field is a good example of how knowledge accumulated in the past 50 years using basic cell and molecular biology has contributed enormously to our current understanding of cellular alterations implicated in human health. This volume brings together both different model systems and approaches with the aim of providing researchers interested in centrosomes or spindle pole bodies with methodologies that can be applied to their questions. These include different types of electron microscopy related techniques, structured illumination microscopy, methods for centrosome purification, methods for in vitro analysis of PCM assembly, methods for yeast two hybrid screens, and methods for performing genome wide screens in S2 cells. Furthermore, methods for genome engineering in human cells, methods for centrosome analysis in organotypic cultures, in human cancers, in chicken DT40 cells, in multiciliated cells, in *Drosophila* embryos, in Ascidian embryos, in the *Drosophila* and mouse neuroepithelium and in *Drosophila* neuroblasts, and, a chapter dedicated to SPB biogenesis in fission yeast complete this volume.

KEY FEATURES

- Contributions from leading experts in this specialized field of research
- Methods and protocols for studying centrosome & centriole in a wide range of model systems and techniques

Cover image: Top left to right; Chapter 11 Guichard et al, Chapter 7 Zhang & Mitchell, Chapter 1 Kong & Loncarek. Middle left to right; (Top) Chapter 5 Clare et al (Bottom) Chapter 12 Rujano et al, Chapter 17 McDougall et al, Chapter 19 Woodruff & Hyman. Bottom left to right; Chapter 11 Guichard et al, (Top) Chapter 13 Conduit et al, (Bottom) Chapter 20 Bouhrel et al, Chapter 18 Serwas & Dammermann

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