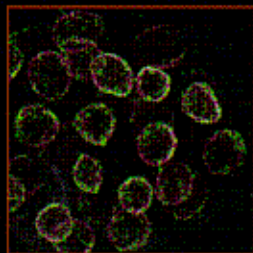


NUCLEAR PORE COMPLEXES AND NUCLEOCYTOPLASMIC TRANSPORT - METHODS



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Since their discovery more than fifty years ago, nuclear pore complexes and nucleocytoplasmic transport have been the focus of intense research. In this volume of *Methods in Cell Biology* leading experts describe modern tools and techniques to study nuclear pore complexes and nucleocytoplasmic transport in diverse eukaryotic models systems, including mammalian cells, *Xenopus*, *C. elegans* and budding yeast. As well as being an essential volume for researchers in the nuclear transport field, these protocols will also be extremely useful to scientists studying gene regulation, signal transduction, cell cycle or viral infections, and to those aiming to decipher the functional organization of macromolecular assemblies other than nuclear pores.

KEY FEATURES

- Contributions from authors with authority and expertise in nuclear pore complexes and nucleocytoplasmic transport
- Detailed protocols, up-to-date approaches, useful tools and tricks
- Includes relevant bibliography and references to alternative methods

Cover image: Super-resolution structured illumination microscopy (SR-SIM) image of a *C. elegans* embryo stained with anti-lamin (magenta) and anti-pan FG mAb414 (green) [protocol in this issue]. Nuclear diameter is 3–4 microns. Image acquired by Rahul Sharma (team of Peter Meister, IZB/Bern) on a Zeiss Elyra S.1 at the FMI/Basel. The anti-lamin antibody is a gift from Yosef Gruenbaum. The authors wish to thank Andrew Seeber and Susan Gasser for help and access to the SR-SIM.

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