

Mouse development: from oocyte to stem cells

Jacek Z. Kubiak, editor

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20417768&lokasi=lokal>

Abstrak

The mouse is a perfect model organism to study mammalian, and thus indirectly also human, embryology. Most scientific achievements that have had an important impact on the understanding of basic mechanisms governing embryo development in humans, originated from mouse embryology. Stem cell research, which now offers the promise of regenerative medicine, began with the isolation and culture of mouse embryonic stem cells by Martin Evans (who received the Nobel Prize in medicine in 2007 for this achievement) and Matthew Kaufman. This book provides an overview of mouse development, spanning from oocytes before fertilization to the state-of-the-art description of embryonic and adult stem cells.