



The Guide to Investigation of Mouse Pregnancy

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The Guide to Investigation of Mouse Pregnancy is the first publication to cover the mouse placenta or the angiogenic tree the mother develops to support the placenta. This much-needed resource covers monitoring of the cardiovascular system, gestational programming of chronic adult disease, epigenetic regulation, gene imprinting, and stem cells.

Offering detailed and integrated information on how drugs, biologics, stress, and manipulations impact pregnancy in the mouse model, this reference highlights techniques used to analyze mouse pregnancy. Joining the ranks of much referenced mouse resources, *The Guide to Investigation of Mouse Pregnancy* is the only manual providing needed content on pregnancy in animal models for translational medicine and research.

- Provides instruction on how to collect pre-clinical data on pregnancy in mouse models for eventual use in human applications
- Describes the angiogenic tree the mother's uterus develops to support pregnancy and the monitoring of pregnancy-induced cardiovascular changes
- Educates readers on placental cell lineages, decidual development including immune cells, epigenetic regulation, gene imprinting, stem cells, birth and lactation
- Discusses how stress, environmental toxicants and other manipulations impact upon placental function and pregnancy success

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Editorial Review

Review

"The editors must be congratulated with this book, which will be extremely useful to all investigators who are focussing on this most popular animal model."--*Placenta*, November 28, 2014

"The text is clear and concise and contains something for beginning and expert investigators alike...This book will be a valued addition to the library of any pregnancy researcher who uses mice as their model organism."--*Journal of the American Veterinary Medical Association*, 15-Sep-14

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