

Contents

1 Cell Signalling During Blastocyst Morphogenesis	1
Judith J. Eckert, Miguel A. Velazquez and Tom P. Fleming	
2 Amino Acids and Conceptus Development During the Peri-Implantation Period of Pregnancy	23
Fuller W. Bazer, Gregory A. Johnson and G. Wu	
3 The Role of Hexosamine Biosynthesis and Signaling in Early Development	53
Marie Pantaleon	
4 Molecular Biology of the Stress Response in the Early Embryo and its Stem Cells	77
Elizabeth E. Puscheck, Awoniyi O. Awonuga, Yu Yang, Zhongliang Jiang and Daniel A. Rappolee	
5 Survival Signalling in the Preimplantation Embryo	129
C. O'Neill, Y. Li and X.L. Jin	
6 Intracellular Ca²⁺ Signaling and Preimplantation Development	151
D. Randall Armant	
7 Female Tract Cytokines and Developmental Programming in Embryos	173
Sarah A. Robertson, Peck-Yin Chin, John E. Schjenken and Jeremy G. Thompson	
Index	215

Cell Signaling During Mammalian Early Embryo
Development

Leese, H.J.; Brison, D.R. (Eds.)

2015, XII, 216 p. 21 illus., 16 illus. in color., Hardcover

ISBN: 978-1-4939-2479-0