

## The Placenta: A Bridge Between Mother and Baby

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## RHOX10 Spurs on Spermatogonial Stem Cell Establishment

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## Toggling the EGFR Signaling Pathway

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## Recreating the Female Germline In Vitro

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## Mapping the Origin of the Testis

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## **FEMALE REPRODUCTIVE TRACT**

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### Low Body Mass Index in Endometriosis Is Promoted by Hepatic Metabolic Gene Dysregulation in Mice

[Laura G. Goetz](#); [Ramanaiah Mamillapalli](#); [Hugh S. Taylor](#)

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## Phospholipid Profile and Distribution in the Receptive Oviduct and Uterus During Early Diestrus in Cattle

[Katia Roberta A. Belaz](#); [Alessandra Tata](#); [Moana R. França](#); [Maressa I. Santos da Silva](#); [Pedro Henrique Vendramini](#) ...

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## TESTIS

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### Effects of Daily Exposure to Saccharin and Sucrose on Testicular Biologic Functions in Mice

[Ting Gong](#); [Quan-Wei Wei](#); [Da-Gan Mao](#); [Kentaro Nagaoka](#); [Gen Watanabe](#) ...

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### TSPAN8 Expression Distinguishes Spermatogonial Stem Cells in the Prepubertal Mouse Testis

[Brian P. Hermann](#); [John R. McCarrey](#); [Keren Cheng](#); [Christopher B. Geyer](#); [Ellen K. Velte](#) ...

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## PREGNANCY

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### The Unfolded Protein Response Regulates Uterine Myocyte Antioxidant Responsiveness During Pregnancy

Saiprasad Ramnarayanan; Chandrashekara  
Kyathanahalli; Judith Ingles; MieJung Park-  
York; Jennifer C. Condon ...

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Circulating miRNAs as Potential Alternative  
Cell Signaling Associated with Maternal  
Recognition of Pregnancy in the Mare

[Kristin M. Klohonatz](#); [Ashely D. Cameron](#); [Joanna  
R. Hergenreder](#); [Juliano C. da Silveira](#); [Aeriel D.  
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Calcitonin Gene-Related Peptide Rescues  
Proximity Associations of Its Receptor  
Components, Calcitonin Receptor-Like  
Receptor and Receptor Activity-Modifying  
Protein 1, in Rat Uterine Artery Smooth  
Muscle Cells Exposed to Tumor Necrosis  
Factor Alpha

[Yuanlin Dong](#); [Madhu Chauhan](#); [Michael  
Belfort](#); [Chandra Yallampalli](#)

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Placental Hypoxia During Early Pregnancy  
Causes Maternal Hypertension and Placental  
Insufficiency in the Hypoxic Guinea Pig  
Model

[Loren P. Thompson](#); [Laramie Pence](#); [Gerald  
Pinkas](#); [Hong Song](#); [Bhanu P. Telugu](#)

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## PAD4 Deficiency Decreases Inflammation and Susceptibility to Pregnancy Loss in a Mouse Model

[Luise Erpenbeck](#); [Chanchal sur Chowdhury](#); [Zsuzsanna K. Zsengellér](#); [Maureen Gallant](#); [Suzanne D. Burke](#) ...

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## MALE REPRODUCTIVE TRACT

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### Sperm-Coating Beta-Defensin 126 Is a Dissociation-Resistant Dimer Produced by Epididymal Epithelium in the Bovine Reproductive Tract

[Fernando Narciandi](#); [Beatriz Fernandez-Fuertes](#); [Ilaina Khairulzaman](#); [Hanne Jahns](#); [Deirdre King](#) ...

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### Cauda Epididymis-Specific Beta-Defensin 126 Promotes Sperm Motility but Not Fertilizing Ability in Cattle

[Beatriz Fernandez-Fuertes](#); [Fernando Narciandi](#); [Cliona O'Farrelly](#); [Alan K. Kelly](#); [Sean Fair](#) ...

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## EMBRYO

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### Random Allocation of Blastomere Descendants to the Trophectoderm and ICM of the Bovine Blastocyst

[Lessly P. Sepulveda-Rincon](#); [Delphine Dube](#); [Pierre Adenot](#); [Ludivine Laffont](#); [Sylvie Ruffini](#) ...

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## IMMUNOLOGY

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The Local and Systemic Immune Response to Intrauterine LPS in the Prepartum Mouse

[Lydia F. Edey](#); [Kieran P. O'Dea](#); [Bronwen R. Herbert](#); [Renyi Hua](#); [Simon N. Waddington](#) ...

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HMGB1 Induces an Inflammatory Response in the Chorioamniotic Membranes That Is Partially Mediated by the Inflammasome

[Olesya Plazyo](#); [Roberto Romero](#); [Ronald Unkel](#); [Amapola Balancio](#); [Tara N. Mial](#) ...

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Ectopic Trophoblast Allografts in the Horse Resist Destruction by Secondary Immune Responses

[Margaret M. Brosnahan](#); [Emily J. Silvela](#); [Jessica Crumb](#); [Donald C. Miller](#); [Hollis N. Erb](#) ...

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## OVARY

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Spatial Characterization of Bioenergetics and Metabolism of Primordial to Preovulatory Follicles in Whole Ex Vivo Murine Ovary

[Rachel Cinco](#); [Michelle A. Digman](#); [Enrico Gratton](#); [Ulrike Luderer](#)

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## **GAMETE BIOLOGY**

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MicroRNAs Are Stored in Human MII Oocyte and Their Expression Profile Changes in Reproductive Aging

[Rosalia Battaglia](#); [Maria Elena Vento](#); [Marco Ragusa](#); [Davide Barbagallo](#); [Alessandro La Ferlita](#) ...

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## **COMMENTARY**

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A New Window into Ovarian Follicle Development

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