

BIOLOGY OF REPRODUCTION

VOLUME 99, NUMBER 5
NOVEMBER 2018

Contents

Interview

- An interview with Dr Patricia A. Martin-DeLeon
Romana A. Nowak 899

Letter to the Editor

- SELEX screen for zona pellucida-binding DNA aptamers
Paul S. Miller and Janice P. Evans 903

Commentary

- Hypoxia-induced autophagy, epithelial to mesenchymal transition, and invasion in the pathophysiology of endometriosis: a perspective
Warren G. Foster 905

Reviews

- Thyroid hormones and female reproduction
Juneo F. Silva, Natália M. Ocarino and Rogéria Serakides 907

Mouse models of preterm birth: suggested assessment and reporting guidelines

- Ronald McCarthy, Carmel Martin-Fairey, Dorothy K. Sojka, Erik D. Herzog, Emily S. Jungheim, Molly J. Stout, Justin C. Fay, Mala Mahendroo, Jeff Reese, Jennifer L. Herington, Erin J. Plosa, Elaine L. Shelton and Sarah K. England* 922

Research Articles

- Glutamine supplementation enhances development of in vitro-produced porcine embryos and increases leucine consumption from the medium
Paula R. Chen, Bethany K. Redel, Lee D. Spate, Tieming Ji, Shirley Rojas Salazar and Randall S. Prather 938

DNA methylomes of bovine gametes and in vivo produced preimplantation embryos

- Zongliang Jiang, Jianan Lin, Hong Dong, Xinbao Zheng, Sadie L. Marjani, Jingyue Duan, Zhengqing Ouyang, Jingbo Chen and Xiuchun (Cindy) Tian* 949

S100A4 promotes the development of lipopolysaccharide-induced mouse endometritis

- Yingjie Wu, Jinhua Zhang and Yinghe Qin* 960

Autophagy contributes to hypoxia-induced epithelial to mesenchymal transition of endometrial epithelial cells in endometriosis

- Hengwei Liu, Yu Du, Zhibing Zhang, Liqun Lv, Wenqian Xiong, Ling Zhang, Na Li, Haitang He, Qi Li and Yi Liu* 968

Uterine TPPP3 plays important role in embryo implantation via modulation of β -catenin

- Vinay Shukla, Pooja Popli, Jyoti Bala Kaushal, Kanchan Gupta and Anila Dwivedi* 982

Membrane rafts regulate sperm acrosome reaction via cAMP-dependent pathway in chickens (*Gallus gallus domesticus*)

- Chathura Priyadarshana, Atsushi Tajima, Naoto Ishikawa and Atsushi Asano* 1000

Intracellular Ca^{2+} threshold reversibly switches flagellar beat off and on

- C. Sánchez-Cárdenas, F. Montoya, F.A. Navarrete, A. Hernández-Cruz, G. Corkidi, P.E. Visconti and A. Darszon* 1010

<p>Mouse quiescin sulphydryl oxidases exhibit distinct epididymal luminal distribution with segment-specific sperm surface associations <i>Tse-En Wang, Sheng-Hsiang Li, Shiori Minabe, Amanda L Anderson, Matthew D Dun, Kei-Ichiro Maeda, Fuko Matsuda, Hui-Wen Chang, Brett Nixon and Pei-Shiue Jason Tsai</i>.....</p>	1022
<p>Two distinct vitellogenin genes are similar in function and expression in the bigfin reef squid <i>Sepioteuthis lessoniana</i> <i>Chih Chen, Hau-Wen Li, Wei-Lun Ku, Chien-Ju Lin, Ching-Fong Chang and Guan-Chung Wu</i></p>	1034
<p><i>Porphyromonas gingivalis</i> strain-dependent inhibition of uterine spiral artery remodeling in the pregnant rat <i>Priscilla Phillips, Mary B. Brown, Ann Progulske-Fox, Xiao-Jun Wu and Leticia Reyes</i></p>	1045
<p>Partial regeneration of uterine horns in rats through adipose-derived stem cell sheets <i>Huijun Sun, Jie Lu, Bo Li, Shuqiang Chen, Xifeng Xiao, Jun Wang, Jingjing Wang and Xiaohong Wang</i>.....</p>	1057
<p>A carnivore embryo's perspective on essential amino acids and ammonium in culture medium: effects on the development of feline embryos <i>Jason R. Herrick, Sarah M. Lyons, Alison F. Greene-Ermisch, Corey D. Broeckling, William B. Schoolcraft and Rebecca L. Krisher</i></p>	1070
<p>Effects of glycol-split low molecular weight heparin on placental, endothelial, and anti-inflammatory pathways relevant to preeclampsia <i>Jovian M. Wat, Krista Hawrylyshyn, Dora Baczyk, Iain R. Greig and John C. Kingdom</i></p>	1082
<p>Pregnancy upregulates angiotensin type 2 receptor expression and increases blood flow in uterine arteries of rats <i>Jay S. Mishra, Kathirvel Gopalakrishnan and Sathish Kumar</i>.....</p>	1091
<p>Oxidative stress-induced TGF-beta/TAB1-mediated p38MAPK activation in human amnion epithelial cells <i>Lauren Richardson, Christopher Luke Dixon, Leopoldo Aguilera-Aguirre and Ramkumar Menon</i></p>	1100