Emiko Fukui, Ph.D.

Professor

Education: Ph.D., Tokyo University of Agriculture and Technology, Japan,

Research Focus

Genetic variation of blood proteins and DNA in animals

Selected Recent Publications

Chuanqiang ZHANG1,2, Nanako SUZUKI2, Hiromichi MATSUMOTO2, Motoharu Miyamura3, Hideki Tsuchiya3, Seizo Hamano3, Hiroshi Makino4, Masanori Ochi4, Midori Yoshizawa2, Emiko FUKUI2. BRCA1 Expression on Bovine Pre-implantation Embryos Produced by In Vitro Fertilization. Journal of Mammalian Ova Research.36:61-67,2019.

Emiko FUKUI1,2, Chuanqiang ZHANG2, Nanako SUZUKI1, Hiromichi MATSUMOTO1,2, Akio KAWANOBE3, Yumi SAKURAI3, Tohta Ooshima3, Shouichi MUROI3, Akiko KUWAHATA4, Masanori OCHI4, and Midori YOSHIZAWA1. Analysis of a single nucleotide polymorphism in the BRCA1 gene in Holstein cattle and its mRNA expression in the gonads.Journal of Comparative Clinical Medicine、25 : 1-8,2018.

Takeuchi M, Seki M, Furukawa E, Takahashi A, Saito K, Kobayashi M, Ezoe K, Fukui E, Yoshizawa M, Matsumoto H (Corresponding author). Improvement of implantation potential in mouse blastocysts derived from in vitro fertilization by combined treatment with prolactin, epidermal growth factor, and 4-hydroxyestradiol. Molecular Human Reproduction.23: 557–570,2017.

Takahashi A, Rahim A, Takeuchi M, Fukui E, Yoshizawa M, Mukai K, Suematsu M, Hasuwa H, Okabe M, Matsumoto H. Impaired female fertility in tubulointerstitial antigen-like 1-deficient mice. Journal of Reproduction and Development.62: 43-49, 2016.

Matsumoto H, Fukui E, Yoshizawa M. Angiogenesis and hormonal regulation on uterine receptivity for blastocyst implantation. Journal of Mammalian Ova Research.32: 79-85,2015.

Nakazato C, Yoshizawa M, Isobe K, Kusakabe K T, Kuraishi T, Hattori S, Matsumoto H, Fukui E, Kuwahata A, Ochi M, Kiso Y and Kai C. Morphological characterization of spermatozoa of the night monkey. J. Mamm. Ova. Res. 32:37-40 (2015).

Hiromichi Matsumoto, Ph.D.

Professor

Education: Ph.D., Tohoku University, Japan, 1996

Research Focus

Developmental biology of mammalian embryos during periimplantation

Selected Recent Publications

Miki Takeuchi, Misato Seki M, Etsuko Furukawa, Akihito Takahashi, Kyosuke Saito, Mitsuru Kobayashi M, Kenji Ezoe, Emiko Fukui, Midori Yoshizawa, Hiromichi Matsumoto. Improvement of implantation potential in mouse blastocysts derived from IVF (in vitro fertilization) by combined treatment with prolactin, epidermal growth factor, and 4-hydroxyestradiol. Molecular Human Reproduction. 23: 557-570, 2017.

Hiromichi Matsumoto. Molecular and cellular events during blastocyst implantation in the receptive uterus: clues from mouse models. Journal of Reproduction and Development. 63: 445-454, 2017.

Akihito Takahashi, Ajalli Rahim, Miki Takeuchi, Emiko Fukui, Midori Yoshizawa, Kuniaki Mukai, Makoto Suematsu M, Hidetoshi Hasuwa H, Masaru Okabe, Hiromichi Matsumoto. Impaired female fertility in tubulointerstitial antigen-like 1-deficient mice. Journal of Reproduction and Development. 62: 43-49, 2016.

Hiromichi Matsumoto, Emiko Fukui, Midori Yoshizawa. Molecular and cellular events involved in the completion of blastocyst implantation. Reproductive Medicine and Biology. 15: 53-58, 2016.

Kyosuke Saito, Etsuko Furukawa1, Mitsuru Kobayashi, Emiko Fukui, Midori Y oshizawa, and Hiromichi Matsumoto. Degradation of estrogen receptor α in activated blastocysts is associated with implantation in the delayed implantation mouse model. Molecular Human Reproduction. 20: 384-391,2014.

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