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Hormonal Regulation in Germ Cell Development

Guest Editor:

Prof. Dr. Kwan Sik Min
Department of Animal Resource Science, Hankyong National University, Chungang-ro, Anseong-si 17579, Republic of Korea

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Message from the Guest Editor

In mammalian reproduction, pubertal maturation and gamete production, various hormones are secreted from the anterior pituitary gland, such as the follicle-stimulating hormone (FSH) and luteinizing hormone (LH), prolactin, growth hormone (GH), adrenocorticotropic hormone (ACTH) and thyroid-stimulating hormone (TSH) A series of events are involved in regulatory control. These processes involve differential gene expression and cell–cell interactions that are regulated by key endocrine stimuli, thereby affecting the proliferation, maturation and function of Sertoli cells, which produce regulatory signals and nutrients to maintain developing germ cells.

This Special Issue in *Current Issues in Molecular Biology*, entitled "Hormonal Regulation in Germ Cell Development", aims to elucidate the molecular mechanisms involved in the regulation of these hormones in germ cell development and welcomes submissions of reviews, opinions, research articles and so on.