

Associate Professor YUAN Yuguo

College	College of Veterinary Medicine
Current Position	Associate Professor
Types of Tutor	Master Tutor
Language	Chinese/English
Education	2005.9-2010.6, PhD, Yangzhou University; 2015.9-2017.8, Post doctor, Korean Konkuk University; 2017.9-2018.9, Visting professor, Gyeongsang national university
Research Interests	1. Production of transgenic animal by pronuclei microinjection or somatic cell nuclear transfer. 2. The preparation of functional nanomaterials and its application in antibacterial and antitumor.
Selected Publications	<ol style="list-style-type: none">1. Yuan YG*, Xu L, Zhang S, Mesalam A, Lee KL, Liu H, Joo MD, Idrees M, Kong IK*. Polydatin and I-CBP112 protects early bovine embryo against nicotinamide-induced mitochondrial dysfunction. Theriogenology. 2019;134:1-10. IF2.292. Yu-Guo Yuan*, Shimin Zhang, Ji-Yoon Hwang, Il-Keun Kong*. Silver Nanoparticles Potentiates Cytotoxicity and Apoptotic Potential of Camptothecin in Human Cervical Cancer Cells. Oxid Med Cell Longev, 2018. IF4.93. Yu-Guo Yuan*, Yan-Hong Wang, S Gurunathan*. Quercetin mediated synthesis of graphene oxide–silver nanoparticles nanocomposites: A suitable alternative nanotherapy for neuroblastoma cancer. Int J Nanomedicine. 2017, 12:5819-5839. IF4.32.4. Yu-Guo Yuan*, Qiu-Lin Peng, S Gurunathan*. Silver nanoparticles enhances the apoptotic potential of gemcitabine in human ovarian cancer cells: Combination therapy for effective cancer treatment.

	<p>Int J Nanomedicine, 2017, 12:6487-6502. IF4.32.</p> <ol style="list-style-type: none"> 5. Yu-Guo Yuan*, S Gurunathan*. Combination of palladium nanoparticles and tubastatin-A potentiates apoptosis in human breast cancer cells-A novel therapeutic approach for cancer. Int J Nanomedicine, 2017, 12:6503-6520. IF4.32. 6. Yu-Guo Yuan*, S Gurunathan*. Combination of graphene oxide-silver nanoparticles nanocomposites and cisplatin enhances apoptosis and autophagy in human cervical cancer cells. Int J Nanomedicine, 2017, 12:6537-6558. IF4.32. 7. Yu-Guo Yuan*, Qiu-Lin Peng, S Gurunathan*. Effects of silver nanoparticles on multiple drug-resistant strains of Staphylococcus aureus and Pseudomonas aeruginosa from mastitis-infected goats: An alternative approach for antimicrobial therapy. INT J MOL, 2017, 18(3):E569. IF3.2. 8. Yu-Guo Yuan, Song Sao-Zheng, Zhu Meng-Ming, Zheng-Yi He, Yong Cheng*. Human lactoferrin efficiently targeted into caprine beta-lactoglobulin locus with TALENs. Asian-Australas J Anim Sci. 2017, 30(8):1175-1182. IF0.8 9. Yu-Guo Yuan, LiYou An, BaoLi Yu, Yong Cheng*. Expression of Recombinant Human Alpha-Lactalbumin in the Milk of Transgenic Goats Using a Hybrid Promoter Enhancer. Journal of Analytical Methods in Chemistry, 2014, (2):1~7. SCI, IF0.9 10. LiYou An[#], Yu-Guo Yuan[#], BaoLi Yu, Yong Cheng*. Generation of human lactoferrin transgenic cloned goats using donor cells with dual markers and a modified selection procedure. Theriogenology, 2012, 78:1303-1311. IF2.02 11. Yong Cheng^{**}, LiYou An[#], Yu-Guo Yuan[#], et al. Hybrid expression cassettes consisting of a milk protein promoter and a cytomegalovirus enhancer significantly increase mammary-specific expression
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	<p>of human lactoferrin in transgenic mice. MolReprod Dev, 2012, 79:573-585. IF2.8</p> <p>12. Yu-Guo Yuan, Yong Cheng*, Lei Guo, et al. Cloned kids derived from caprine mammary gland epithelial cells. Theriogenology, 2009, 72(4): 500-505. SCI, IF1.9</p> <p>(*corresponding author, #equal author)</p>
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