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研究成果簡述：

開發動物用疫苗

1. 豬萎縮性鼻炎次單位疫苗 (AR-rsPMT subunit vaccine)
2. 豬萎縮性鼻炎與豬假性狂犬病雙價疫苗 (AR-rsPMT + Pseudorabies bivalent vaccine)
3. 豬瘟 E2 次單位疫苗 (Classical Swine Fever E2 subunit vaccine)
4. 豬放線桿菌胸膜肺炎次單位疫苗 (APP-rsApx subunit vaccine)
5. 豬環狀病毒次單位疫苗 (Circovirus subunit vaccine)

代表性學術期刊論文：

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8. Wu, C. M., Z. W. Chen, T. H. Chen, J. W. Liao, C. C. Lin, M. S. Chien, W. C. Lee, and S. L. Hsuan. 2011. Mitogen-activated protein kinases p38 and JNK mediate *Actinobacillus pleuropneumoniae* exotoxin ApxI-induced apoptosis in porcine alveolar macrophages. *Veterinary Microbiology* 151:372-378
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