

## Talking Biotech: Roslin Institute's Bruce Whitelaw using gene editing to develop virus resistant pig

The African swine fever virus is a devastating pathogen that leads to fatal disease in domesticated swine. Scientists at the Roslin Institute led by Prof. Bruce Whitelaw have made an important advance for domestic pig health and welfare. Wild African pigs like warthogs do not get the disease. Researchers at Roslin have studied the genes associated with viral infection, and found what is likely a critical difference between the wild and domestic pigs. Using new gene editing technology, the change in wild pigs has been created in domestic pigs, and they will be tested for resistance to the virus this year. This example is one of many that is coming in animal, plant, and fungal genetic improvement through gene editing.

037-Whitelaw  
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