



An exciting [One Health Research Symposium](#) is planned on August 19<sup>th</sup> and 20<sup>th</sup> in Kansas City focusing on One Health applications of CRISPR/cas9. CRISPR is a state-of-the-art gene editing technology that has the potential to revolutionize global health. CRISPR stands for Clusters of Regularly Interspaced Short Palindromic Repeats and is actually an immune function that bacteria use to fight viruses. Today it is being used to edit specific genes in plants, animals and soon in people.

A myriad of CRISPR applications will be presented including developing a Porcine Reproductive & Respiratory Syndrome (PRRS)-resistant pig, improving Cassava for the developing world and identifying critical genes responsible for tissue regeneration. Such a powerful technology also raises many questions and specific presentations will also address intellectual property, regulatory and ethical implications of CRISPR/cas9 gene editing.

The symposium, hosted by [BioNexus KC](#) (DBA Kansas City Area Life Sciences Institute) in partnership with the University of Missouri and Kansas State University, features keynote presentations by:



[Shondra Miller, PhD](#)

Assistant Member, Department of Cell and Molecular Biology  
Founding Director, Center for Advanced Genome Engineering  
St. Jude Children's Research Hospital



[Lei Stanley Qi](#)

Assistant Professor  
Department of Bioengineering  
Department of Chemical and Systems Biology  
Stanford University

The symposium will be attended by researchers in academia and industry but also relevant to students, post docs and people interested in improving their understanding of the technology applications.

If you'd like to learn more or view the agenda, [click here](#).