

# Genome Editing in Agriculture Special Seminars

**DATE:** April 17, 2024

**TIME:** 12:50-1:50 p.m.

**LOCATION:** 212 Animal Sciences Building  
2029 Fyffe Road, Columbus, OH 43210

**ZOOM LINK:**

<https://osu.zoom.us/j/96363468844?pwd=Sm56OGhON0ZJMExWZEIzOVdwVnhDZz09>

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## *Poultry Genome Editing for Research and Industry*

Dr. Joonbum Lee is a postdoctoral fellow in Dr. Kichoon Lee's Functional Genomics Laboratory in the Department of Animal Sciences at The Ohio State University. He earned a Ph.D. in the OSU Interdisciplinary Nutrition program, as well as a Bachelor of Science in meat science from OSU. His research focuses on avian genome editing and industrial applications of the genome-edited poultry species.

## *Bench to Barn and Beyond: Industry Considerations Translating Basic Research to Commercial Sale of Genetically Superior Plants and Livestock*

Dr. Mark Cigan is currently the Head of Genetic Innovation at Cobb Genetics. Since September 2023, the research focus has been to modernize broiler genetics, health and food safety through novel scientific innovation beyond classical breeding, vaccines and medications. Previously, Dr. Cigan was the Senior Director of the Trait Development group at Genus R&D in Madison, WI where he directed a team to use CRISPR-Cas gene editing, high-throughput sequencing and selective breeding to confer resistance to the RNA virus that confers porcine respiratory and reproductive syndrome (PRRS). Prior to joining Genus in 2016, he spent 24 years at DuPont Pioneer (now Corteva Ag) focusing early in his career on plant reproduction to develop genetic solutions for the generation of hybrid seed.



**THE OHIO STATE UNIVERSITY**

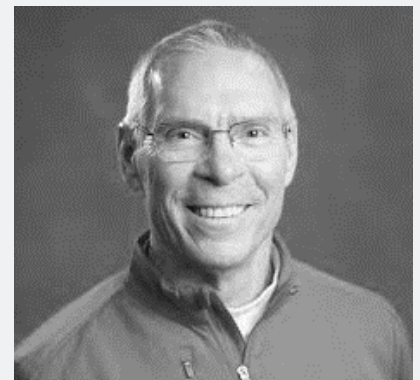
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**Joonbum Lee, Ph.D.**  
Postdoctoral fellow  
Department of Animal  
Sciences



**Mark Cigan, Ph.D.**  
Global Head  
Cobb Genetics

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