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**Application of Advanced**  
*Genetic Technology in Beef Cattle*

**February 27-28, 2026 || Kingsville, TX || Online**

**INSTRUCTORS:**

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**FRIDAY, FEBRUARY 27, 2026**

<b>8:00 AM</b>	Welcome and Introductions
	Step 1: Developing a Breeding Objective
	<ul style="list-style-type: none"><li>• Identifying environmental constraints</li><li>• Identifying marketing objectives</li><li>• Economically relevant and indicator traits</li><li>• Developing a breeding system: Crossbreeding</li><li>• Breed selection</li></ul>
<b>10:15 AM</b>	BREAK
<b>10:30 AM</b>	Step 2: Animal/Sire Selection
	<ul style="list-style-type: none"><li>• Deciphering actual measurements, adjusted data, and ratios</li><li>• Fundamentals of Expected Progeny Differences</li><li>• Comparing EPD across breeds</li></ul>
<b>12:00 PM</b>	Lunch
<b>1:00 PM</b>	Selection Decision Risk Management
	<ul style="list-style-type: none"><li>• The concept of accuracy</li><li>• Possible change and confidence intervals</li><li>• Multiple trait selection strategies</li><li>• Utilization of Selection Indices</li></ul>
<b>3:00 PM</b>	BREAK
<b>3:15 PM</b>	Interactive Sire Selection Scenarios
<b>5:00 PM</b>	Adjourn

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## SATURDAY, FEBRUARY 28, 2026

**8:00 AM** Day 1 Review

**9:00 AM** Genomics 101: Definition and simple uses

- Understanding the genome
- What is a SNP?
- Parentage
- Defect Management
- Genomically enhanced EPDs

**10:30 AM** BREAK

**10:45 AM** Applications of genomic tools by commercial producers

- Sire Selection
- Replacement selection
- Marker-Assisted Management
- Future directions

**12:30 PM** ADJOURN