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Alt-R CRISPR-Cas9: An optimized genome editing solution

CRISPR: Unleashing the potential of genetic engineering

CRISPR technology has been a major technological breakthrough, making genome editing easier, faster, more efficient, and more robust than previous methods. In this seminar you will learn:

• Guidelines when designing a CRISPR experiment.
• Advantages and disadvantages Cas9 vs Cas12 for gene editing, and their applications.
• gRNA design and formats selection recommendation

• How to optimize cell-editing with high on-target and reduced off-target activity using Alt-R HiFi CRISPR-Cas9 nuclease.
• Considerations to improve HDR (Homology Directed Repair) efficiency for knock-in experiment.

• How chemical modifications for dsDNA donor templates improve the HDR efficiency and reduce blunt insertion events.
• How and where to introduce silent mutations to improve HDR rates
• How Alt-R HDR Enhancer V2 further improve HDR rate.

DATE

Tuesday, September 26, 2023

TIME

10:00 AM–12:00 AM

LOCATION

Meeting room "nord"

(BBS - ground floor)

FREE COFFEE & CROISSANTS

QUESTIONS? I AM HERE TO HELP.

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