

Seminar

Engineering Synthetic Signalling Pathways with Programmable dCas9-Based Chimeric Receptors

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Date: 07/23 (Mon) 15:00~16:00 @8B04, Eng.3



He developed a novel class of chimeric receptors that leverage the highly programmable nuclease-deficient CRISPR/Cas9 (dCas9) as universal signal transduction module. Such dCas9-based synthetic receptors provide a powerful experimental tool for the generation of designer cells capable of monitoring the environment, sensing specific input signals, and executing diverse custom response programmes for therapeutic purposes.

Reference : Baeumler T. A. *et al.*, *Cell Reports* **20**, 2639-2653. (2017)

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