



SEMINARIO

«IL1R1 deletion in an in vitro OA model using CRISPR-Cas9 system»

12:30 h, Aula 1 Hospital Teresa Herrera – 9 de Junio de 2015

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Abstract: Technologies for making and manipulating DNA have enabled advances in biology ever since the discovery of the DNA double helix, and the field is now experiencing a transformative phase with the advent of facile genome engineering in animals and plants using RNA-programmable CRISPR-Cas9.

In this study, we used these gene deletion systems to delete the IL-1 receptor gene in target cells (chondrocytes and MSCs) and tested the effect in the OA mode in the presence of proinflammatory molecules.