HyBNAR Mice: A Humanized Model for Studying Type I Interferons

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Principal investigator

Gideon Schreiber

Faculty of Biochemistry
Department of Biomolecular Sciences

Principal investigator

Daniel Harari

Biochemistry
Department of Biomolecular Sciences

Principal investigator

Renne Abramovich

Biochemistry
Department of Biological Chemistry

Overview

Transgenic â€œHyBNARâ€ mice express humanized type I interferon receptors (IFNARs), enabling in vivo studies of human type I interferons (Hu-IFN-Is) in a murine model. These mice carry chimeric IFNAR1 and IFNAR2 receptors, in which the human extracellular domains are fused to mouse transmembrane and cytoplasmic regions.

By accounting for interspecies algometric differences, HyBNAR mice offer a non-primate, preclinical platform for evaluating human IFN-I biology and therapeutics.

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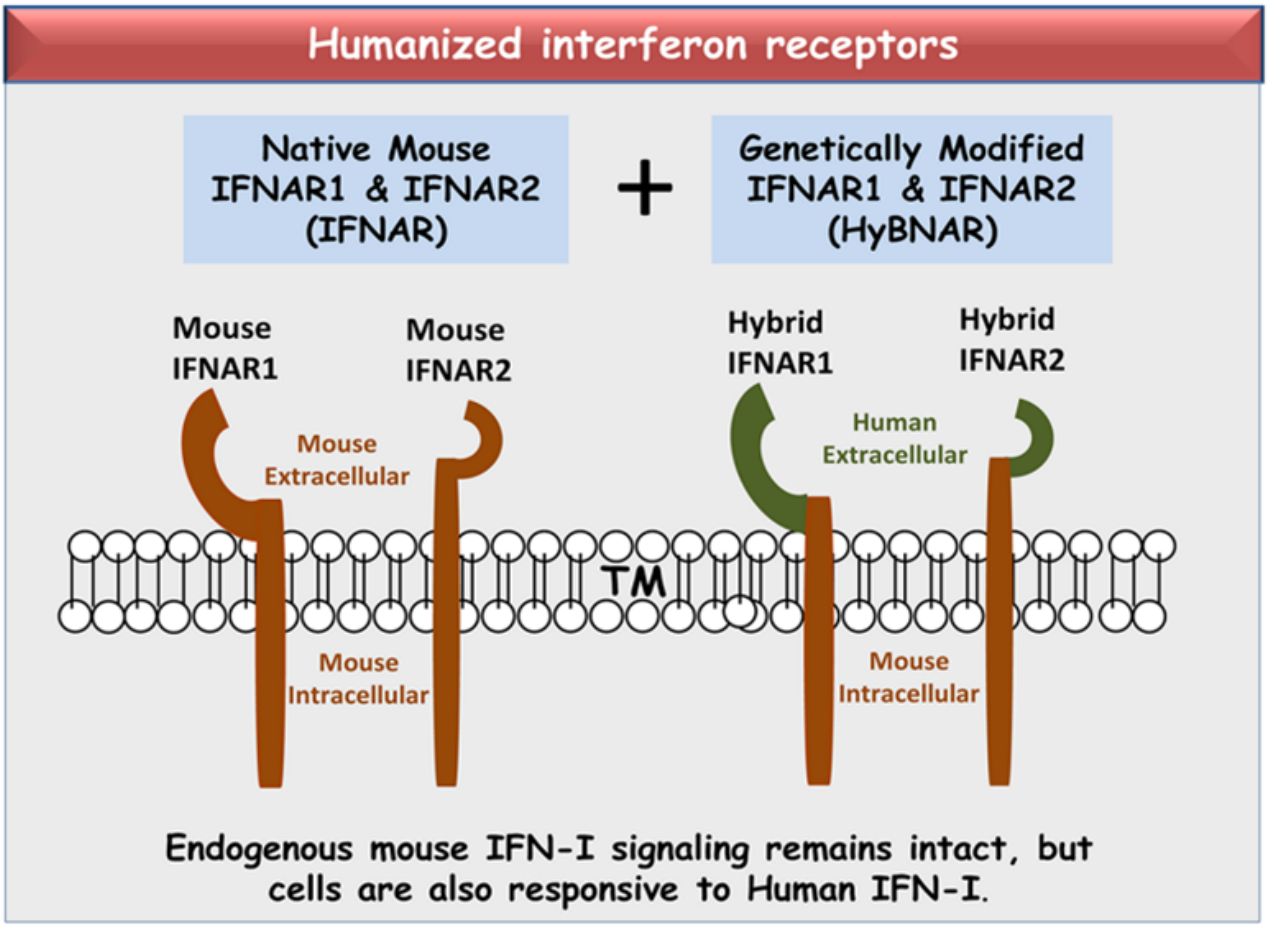
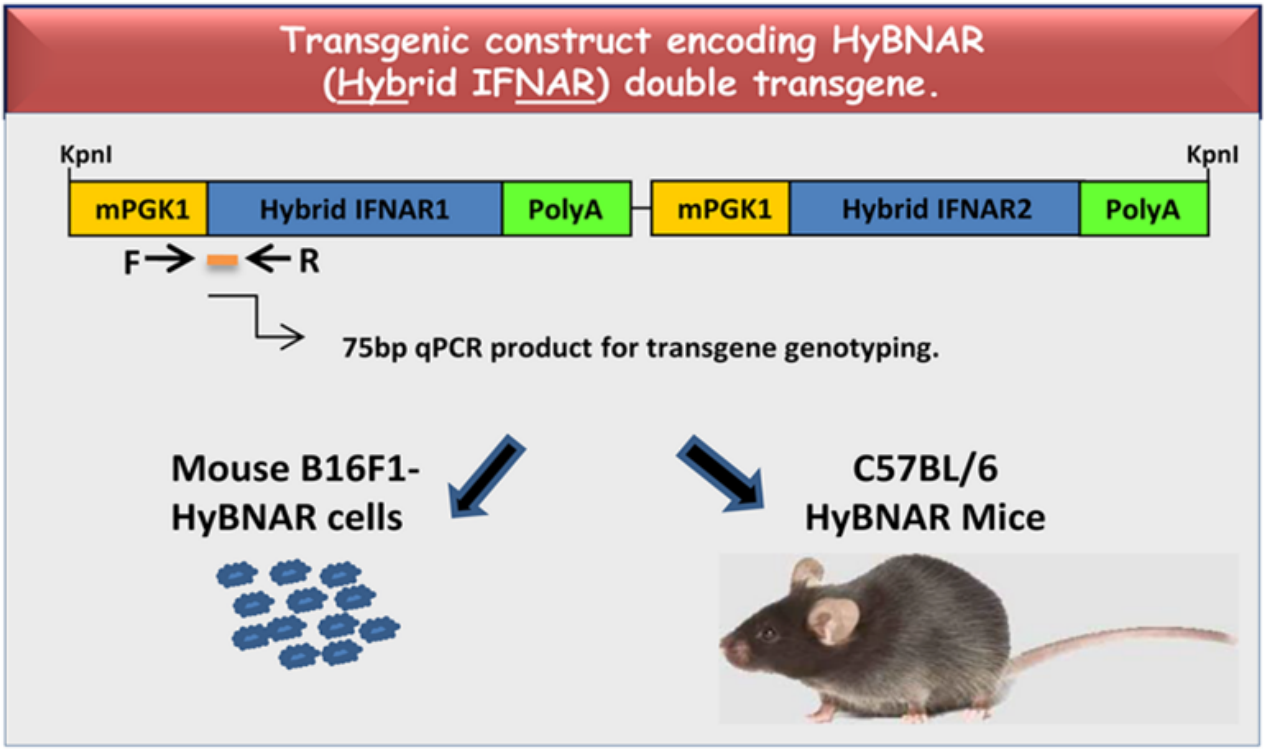
A.



B.



References

Harari et al, PLOS ONE, 2014 **[1]**

Harari et al, JBC, 2014Â **[2]Â**

Urin et al, PLOS ONE, 2015 **[3]**