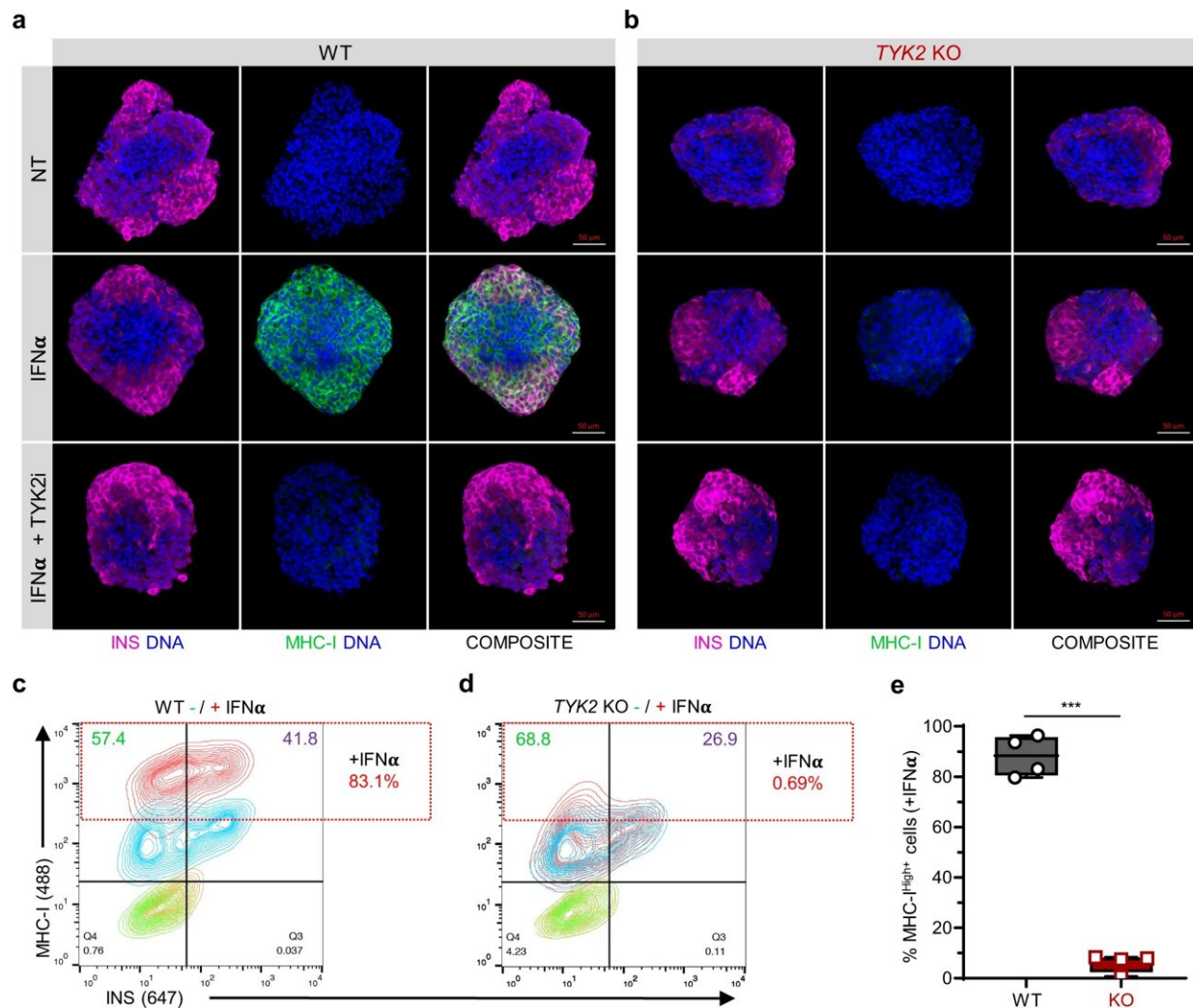


# A promising drug candidate discovered for the prevention of type 1 diabetes

November 9 2022



TYK2 modulates MHC Class I presentation in SC-islets. **a, b** Representative images of Stage 7 SC-islets showing the immunocytochemistry for insulin (red) and MHC Class I (green) expression following 24 h treatment with IFN $\alpha$  alone or in combination with TYK2i ( $n = 3$ ). Panel **a**, WT cells; panel **b**, TYK2 KO

cells. Scale bar = 50  $\mu\text{m}$ . **c, d** Representative contour plots of flow cytometry showing the expression of insulin and MHC Class I following 24 h IFN $\alpha$  treatment. Panel **c**, WT cells; panel **d**, *TYK2* KO cells. **e** Quantification of the data in **c, d** ( $n = 4$ ). Two-tailed unpaired *t*-test was performed to determine the significance levels. Box and whiskers plot showing median with min to max whiskers. \*\*\**p*

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