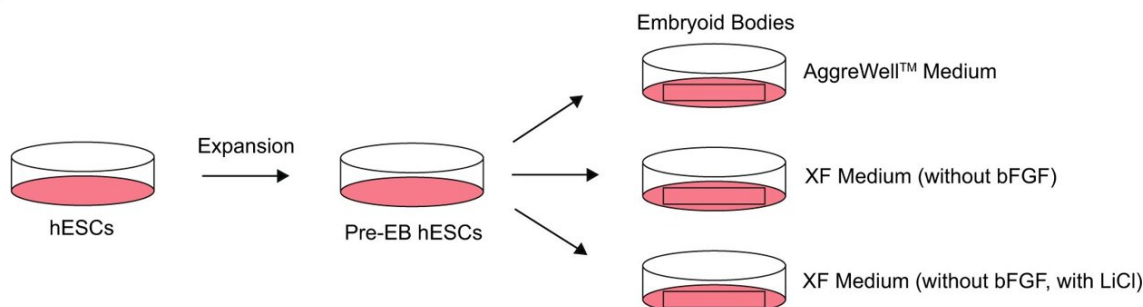


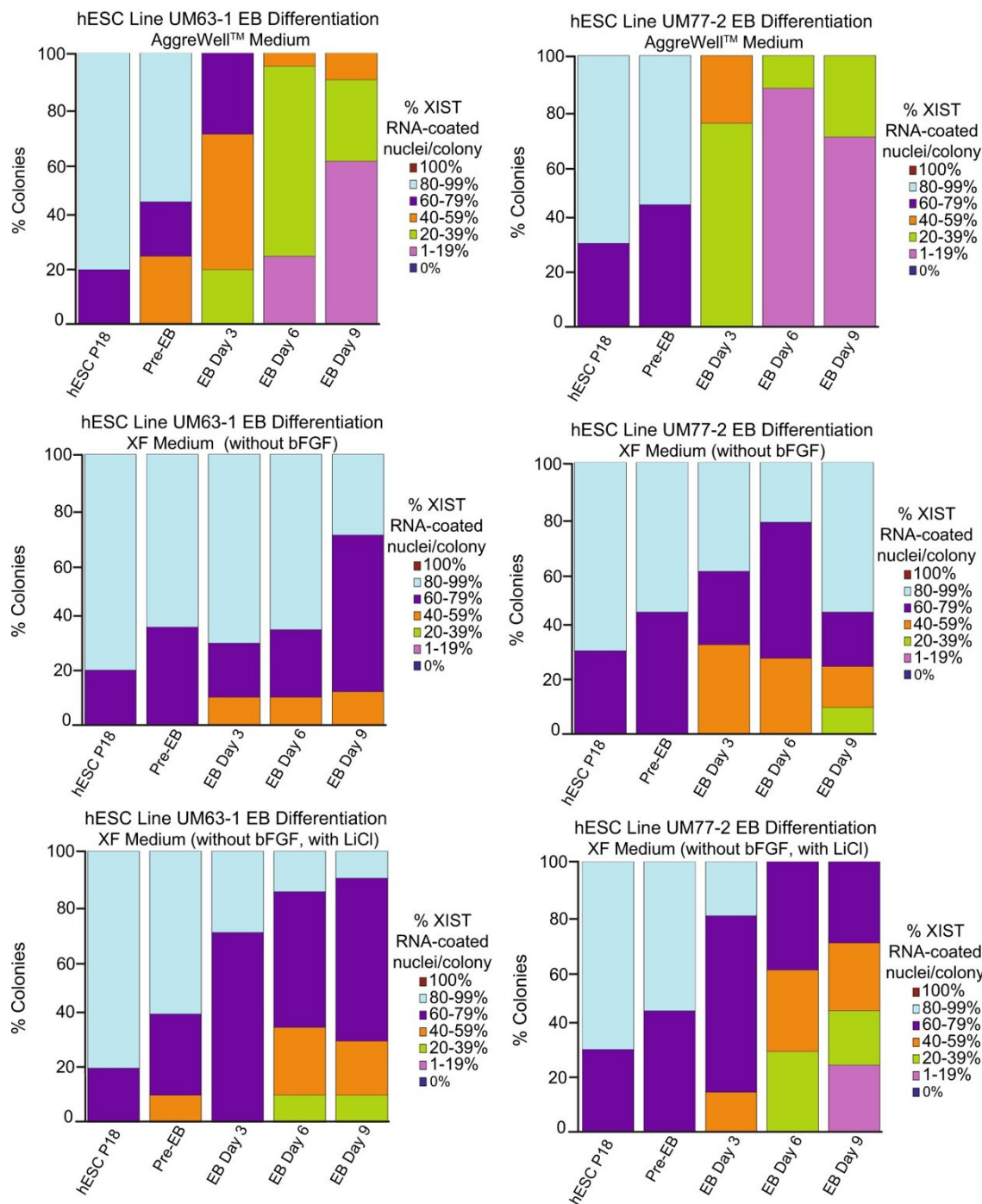
How one of the X chromosomes in female embryonic stem cells is silenced

May 20 2022, by Kelly Malcom

a



b



Analysis of XIST RNA coating during differentiation of female hESCs. a Schematic of hESC differentiation into embryoid bodies (EBs) with three different media formulations: a commercially available AggreWellTM medium; XF medium lacking bFGF; and XF medium lacking bFGF but containing 0.98 mM LiCl. b Percentage of nuclei with XIST RNA coating in EBs generated from hESC lines UM77-2 and UM63-1. EBs generated and cultured in XF medium with LiCl and AggreWellTM medium lost a significant proportion of XIST RNA coating per colony compared to EBs generated and cultured in XF medium (general linear model comparison; p

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