

BIOPRIMER NO.7: CELLULAR CHASSIS

THE UNIVERSITY OF CAMBRIDGE WENT HOME WITH THE WINNING **IGEM** PROJECT IN 2009

THEY MINED BACTERIAL GENOMES FOR **ORFS** AND OPERONS THAT ENCODED PIGMENTS

THEN THEY REFINED THE **PARTS** THEY FOUND TO MAKE A KIT OF COLORFUL BIOSENSORS

ONE THING THAT PUZZLED THEM, THOUGH, IS HOW DIFFERENT SOME OF THE COLORS LOOKED, DEPENDING ON THE TYPE OF **E. COLI** THEY TRANSFORMED

I'D REALLY LIKE TO KNOW IF THE CELLULAR "CHASSIS" ALWAYS MAKES SUCH A DIFFERENCE!

AND IF IT DOES MAKE A DIFFERENCE, I'D LIKE TO KNOW WHY.

YOUR TURN: COMPARE THE COLORS YOU GET WHEN YOU TRANSFORM SOME COLOR GENERATORS

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