

The diagram illustrates a genetic circuit for temporal control of gene expression. A central timeline shows alternating periods of glucose (pink) and galactose (grey). Two cell populations are shown: one on the left (yellow background) and one on the right (green background). Both cells contain a *GAL1GFP* gene construct. The left cell is shown with a repressor protein (black) bound to the *GAL1* promoter, preventing GFP expression. The right cell is shown with the repressor bound to the *GAL1* promoter, but a green starburst indicates GFP expression. Dotted lines connect the glucose periods to the left cell and the galactose periods to the right cell.