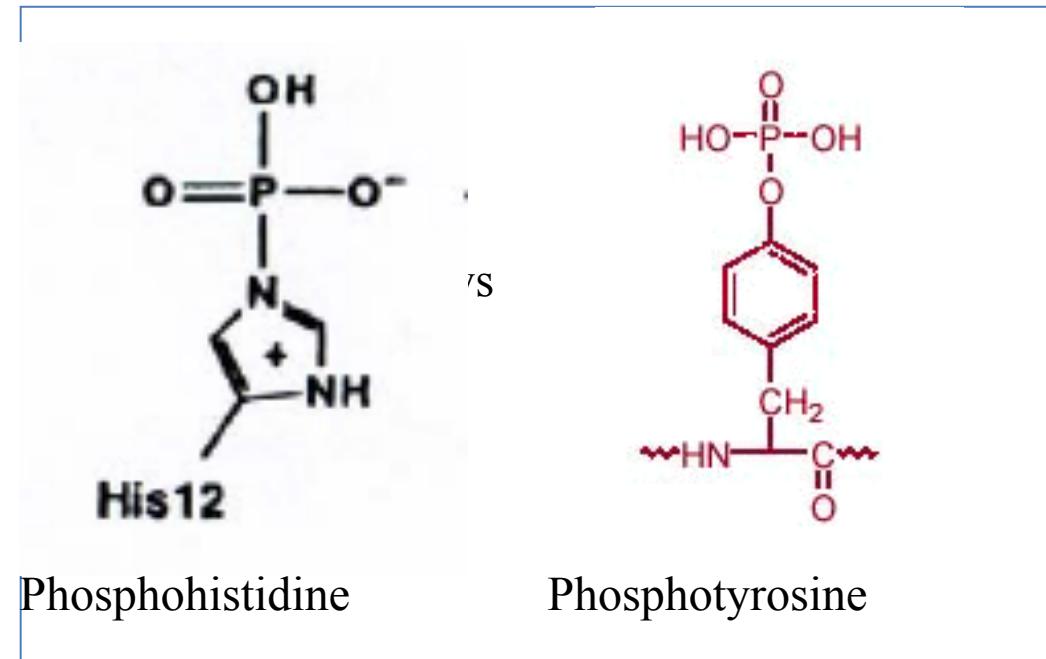


# System Engineering

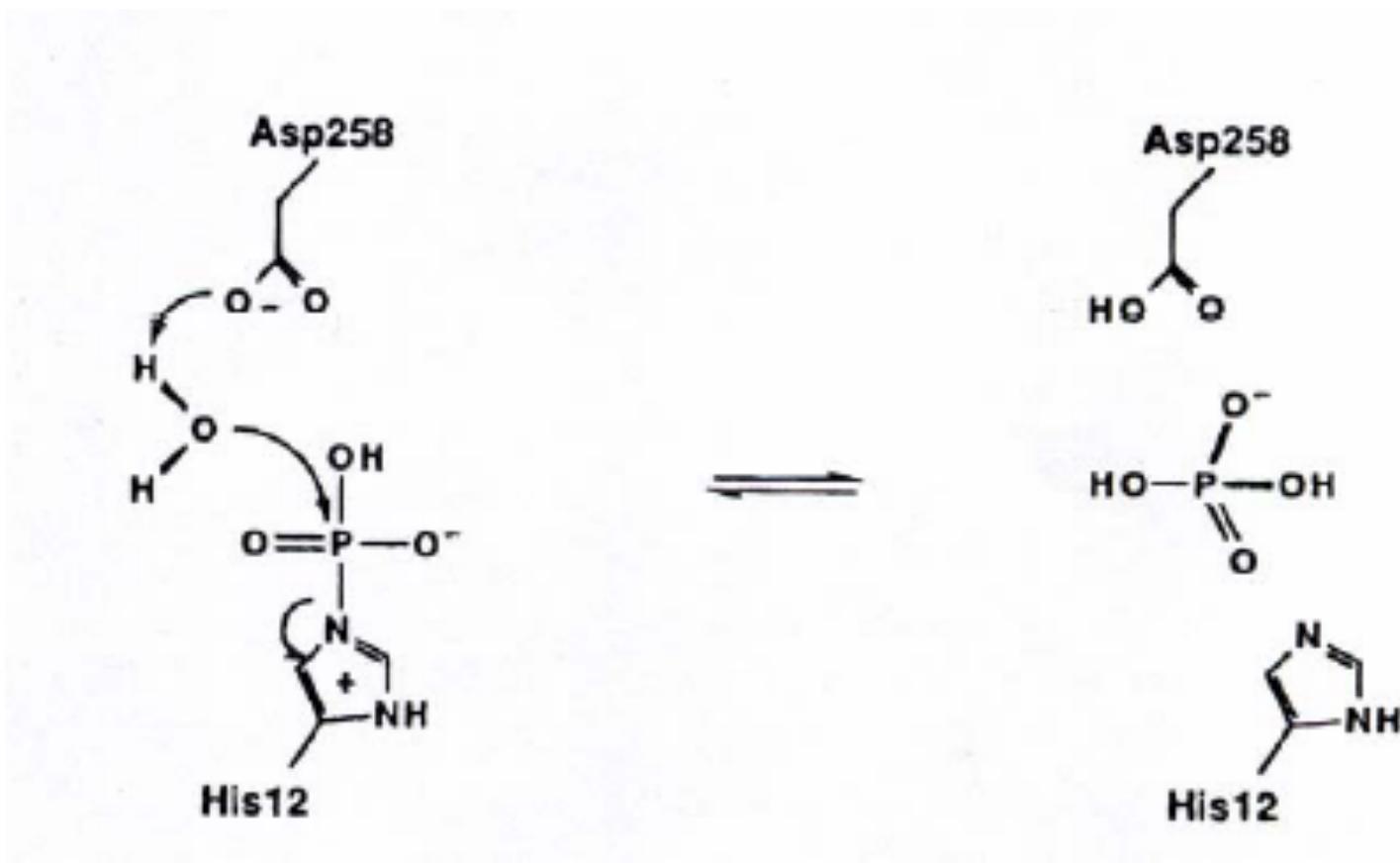
## M2D2

10.18.11

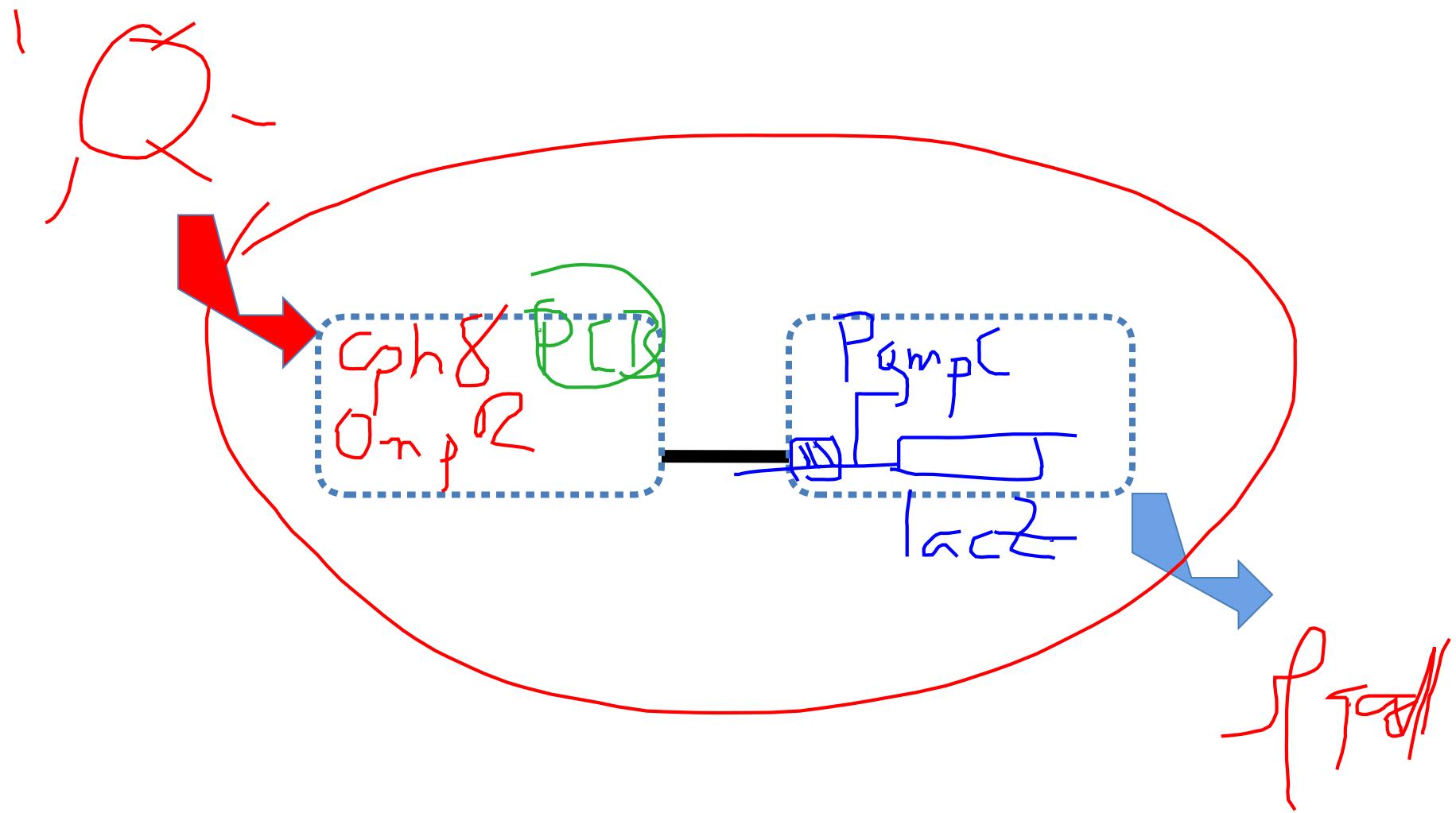
# Phosphorelay System



# Phosphorelay System



# Overview of bacterial photography system



# Measuring LacZ

$$1 \text{ Miller Unit} = 1000 * \frac{(Abs420 - (1.75 * Abs550))}{(t * v * Abs600)}$$

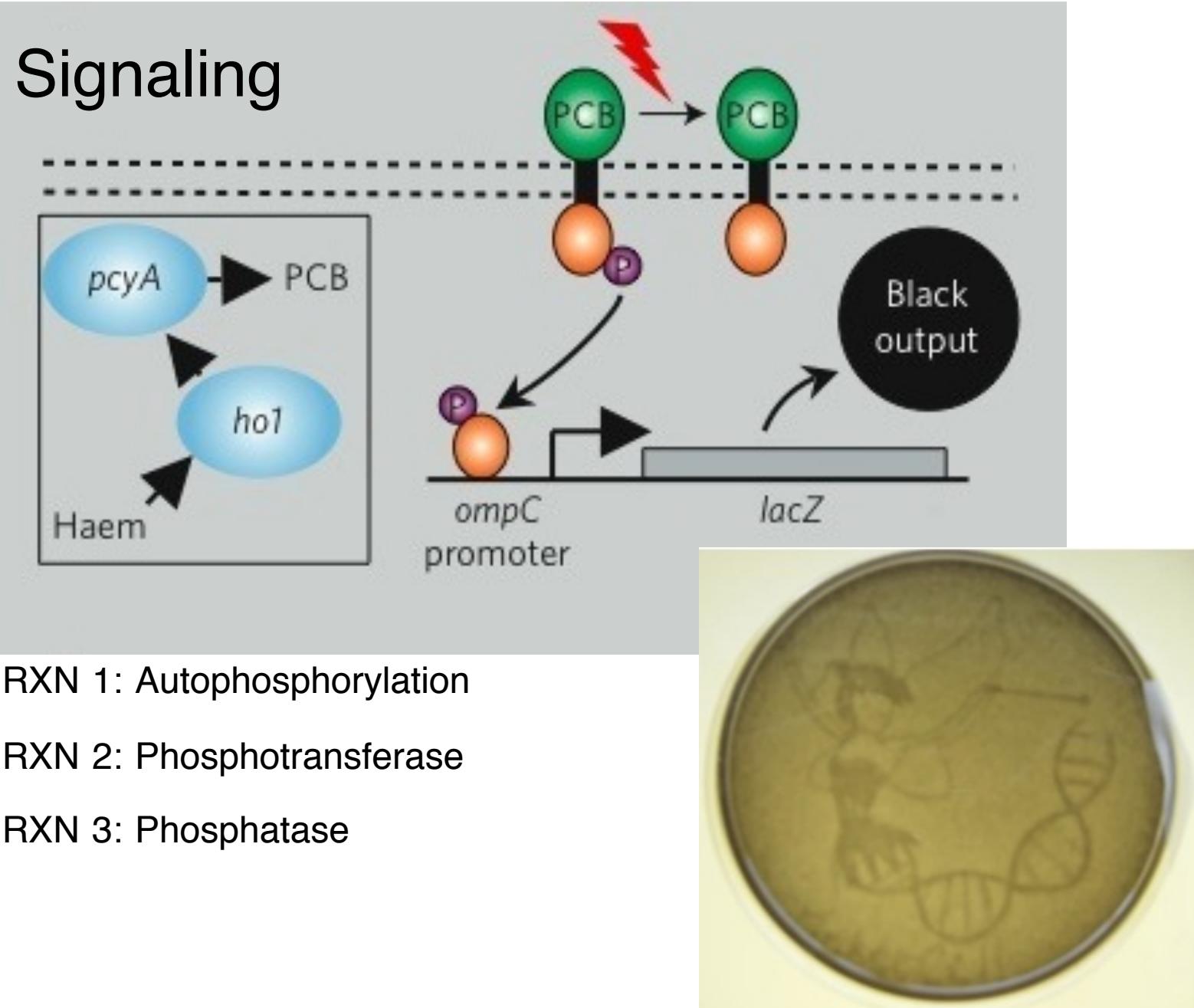
## Protocol

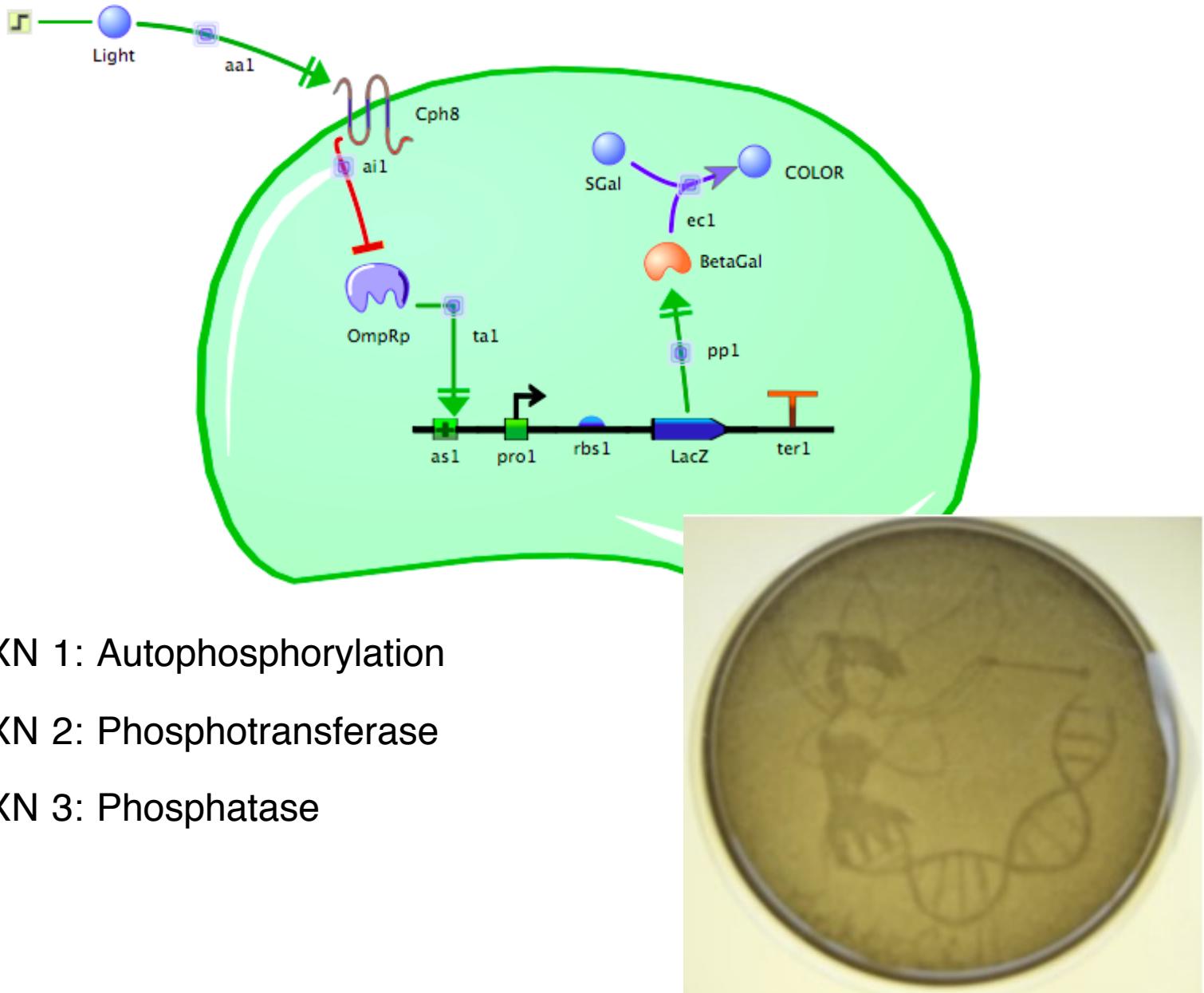
1. Measure concentration of cells  $OD_{600}$
2. Lyse cells  $SDS$ ,  $\langle HCl \rangle$ : Vortex
3. Start Reactions ON PEG
4. Stop Reactions  $NaCO_3$
5. Spin
6. Measure yellow color and debris

420

550

# Signaling





# This week in lab