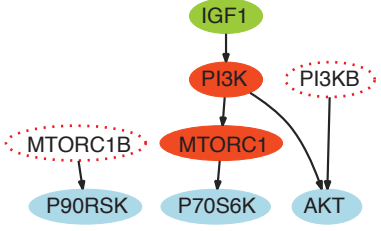
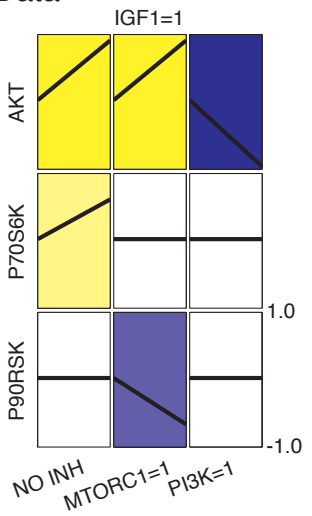


c.) Model



d.) Data



e.) Simulation Procedure

Condition: IGF1 = 1

	Akt	p70s6k	p90RSK
1. Inhib Basal Effect	0	0	0
2. Stim Effect	0.9	0.6	0
3. Inhib & Stim Effect	0.9	0.6	0
Final Value (Step 1 + 3)	0.9	0.6	0

Condition: IGF1 = 1, PI3K inhibition

	Akt	p70s6k	p90RSK
1. Inhib Basal Effect	-0.7	0	0
2. Stim Effect	0.9	0.6	0
3. Inhib & Stim Effect	-0.3	0	0
Final Value (Step 1 + 3)	-1	0	0

Condition: IGF1 = 1, MTORC1 inhibition

	Akt	p70s6k	p90RSK
1. Inhib Basal Effect	0	0	-0.7
2. Stim Effect	0.9	0.6	0
3. Inhib & Stim Effect	0.9	0	0
Final Value (Step 1 + 3)	0.9	0	-0.7