Negative Perturbation < too much or Feedback too little of something The negative feed buck these may be the same cell Sensor Cell response offector cell target

1 [sw] glucose absorption in sm. intestine (into blood) Pancrertic B-(ells Stimulatory Negative feedback arrow cells The down arrow [insulin] plasma odipose cells glucose into celi response

The Up arrow

Sensor > 1 sattalite cell merging + protein synthesis muscle Cell Perturbation Normal Dtrain Strain 19 muscle cells respon se

Positive Perturbation feedback The response accelerates the Stimulatory Path Creating the response offector cell target

(1) Injury to vessel wall exposes von Willebrand fector Platelet Target, 1

J binding to VW factor, 9 activated platelet Secrete effectiv molecules