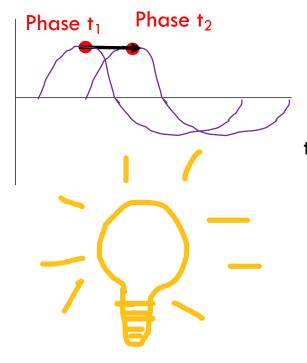
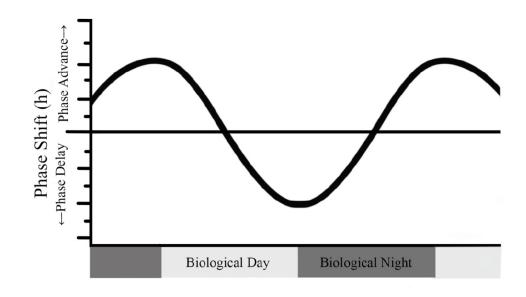
What is considered a circadian phase shift?





Phase shift = difference between two phases

time



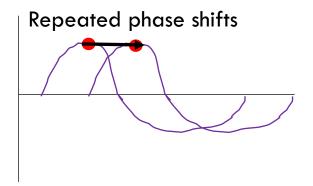


DrCelineVetter

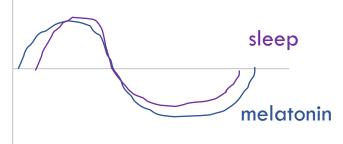


celine.vetter@colorado.edu

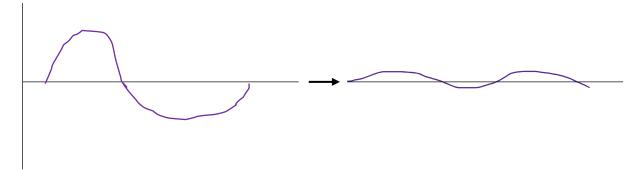
What is circadian disruption?



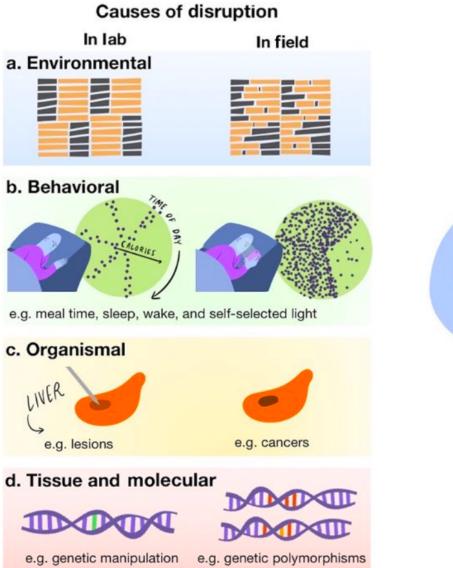
Loss of phase relationship



Loss of rhythmicity and/or dampening of amplitude



What is circadian disruption?



a

Environment- and behavior-based proxies for circadian misalignment

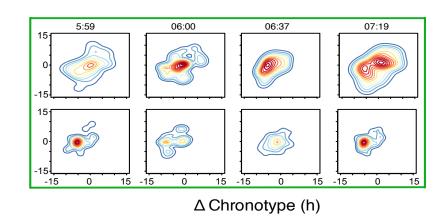


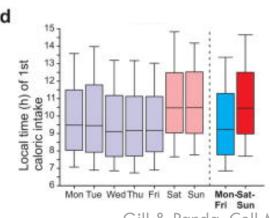
Shift Work, Position in Time Zone, DST...

Δ Mid-sleep work and free days Social Jetlag



Composite Phase Deviations





Gill & Panda, Cell Metab, 2015

