

Mechanisms underlying sleep

- Circadian regulation
- Cellular/molecular basis of homeostatic sleep drive
- Regulation and function of sickness sleep

Approaches (suggested)

- Cross-talk between different models
 - Drug screens in fish– test candidates in mice
 - Natural short sleepers: introduce human mutations in animals (flies?) and assess impact and mechanism
- Standardization of methodology
 - In animal models
 - Sleep technology in humans

What we did not discuss:

- Local sleep
- Situations that defy homeostatic regulation
- Sleep under natural conditions (no electricity)