Don Pfaff, Question:

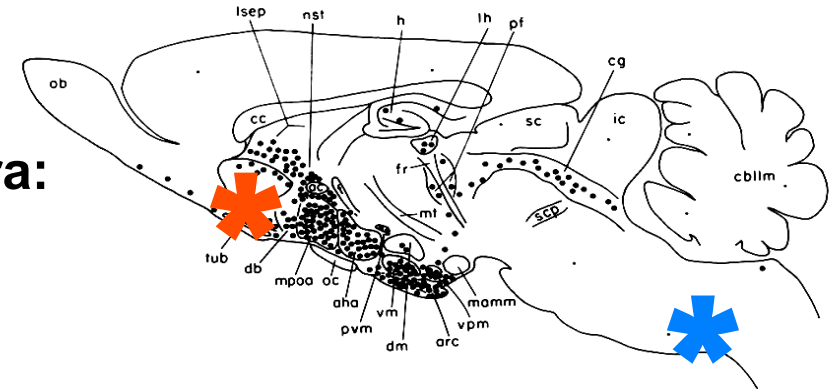
How do we regulate changes in state of CNS arousal?

Perspective:

20th C. Neuroscience="Hunt for specificity."

21st C. Neuroscience= Explain CNS states." ?

Conundra:



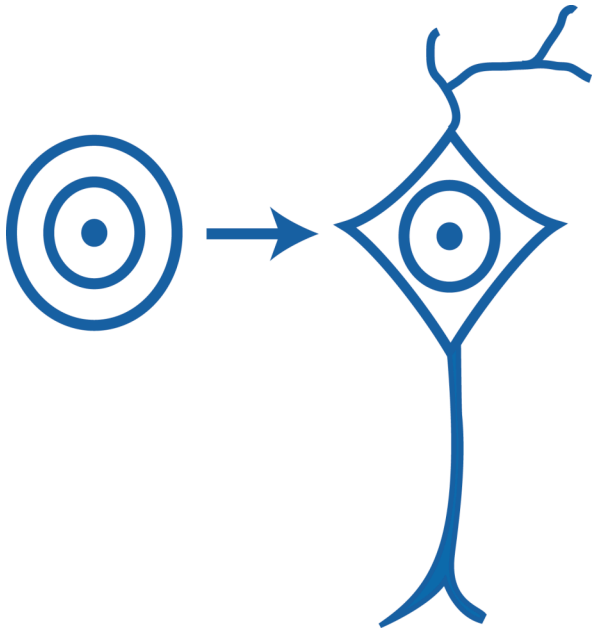
1. Hypothalamus "vs." medulla?

2. Medullary RF → atonia?

Ask: **1. How to achieve large changes of state rapidly while maintaining control?**

2. Which mathematical & simulation tools will allow formal analysis & description?

Don Pfaff, Two questions, outside my area of research:

1. 

What are the first cellular mechanisms leading to polarization during development?

2. **How do we handle the non-linearities of neuronal dynamics?**