**Graded assignment 2 - Due Sunday, 11-4 at 6pm**

1. Read the paper by Lisman and Idiart (1995).

2. In a few short paragraphs, answer these questions:

a. What is the goal of this model?

b. What are the assumptions and ingredients?

c. What are the results and predictions?

3. Read the equations and answer these questions (in the reference list):

a. What types of neurons are modeled?

b. What does each variable represent?

c. How is inhibition generated?

d. What does the oscillatory input do?

e. What is included in these equations that is new to you?

4. Create a graph of the network setup

5. Explain in your own words how this works, be specific

6. Name at least two ingredients or assumptions that are crucial to make this work and explain why they are

7. What do you think ?

8. Relate this in a short paragraph to what you learned about neural assemblies, oscillations and phase precession. Can this serve as a plausible model for the existence of neural assemblies? Why or why not?