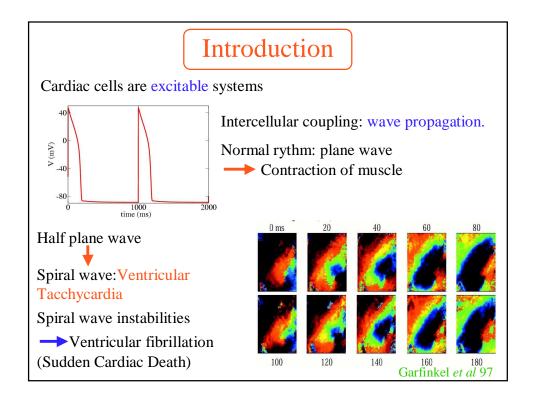
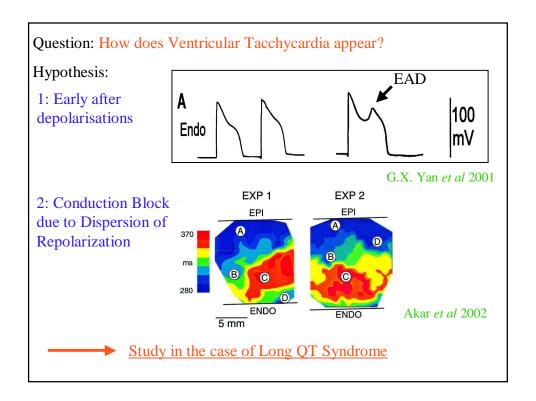
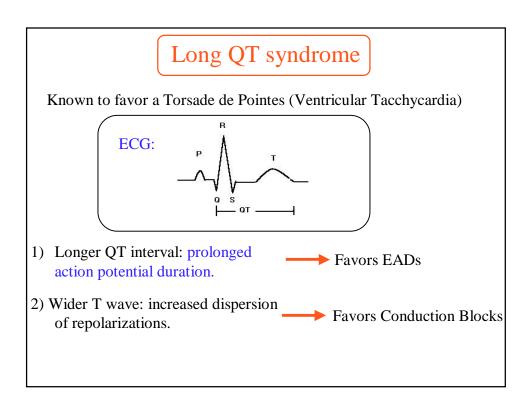
Arrhytmogenic mechanism involving intrinsic heterogeneities of cardiac tissue

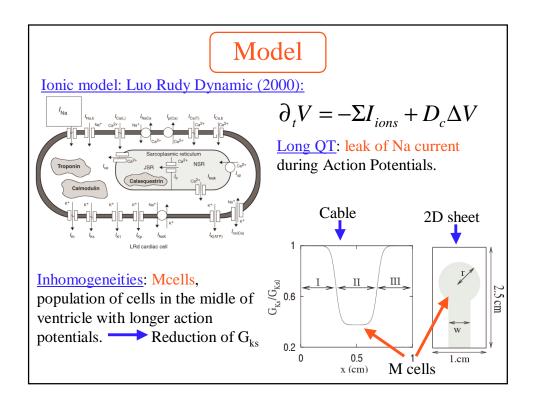
Hervé Henry and Wouter-Jan Rappel

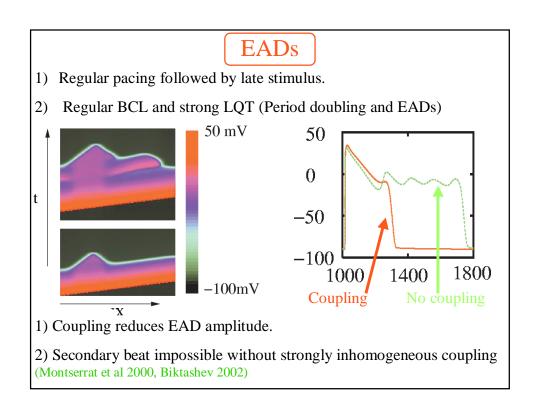
Center for Theoretical Biological Physics UC San Diego

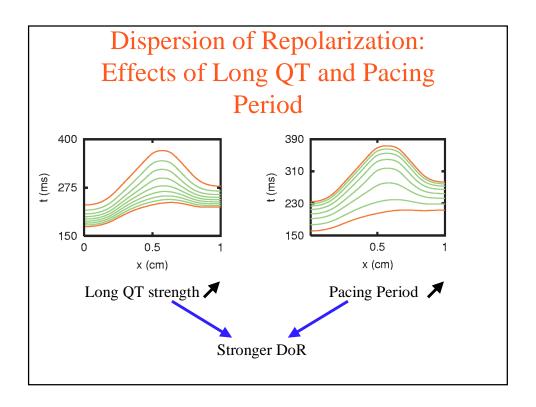


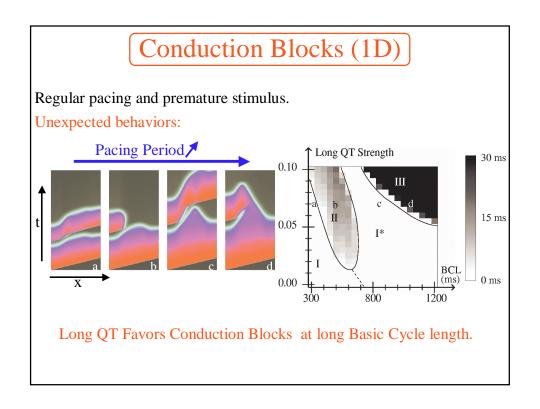


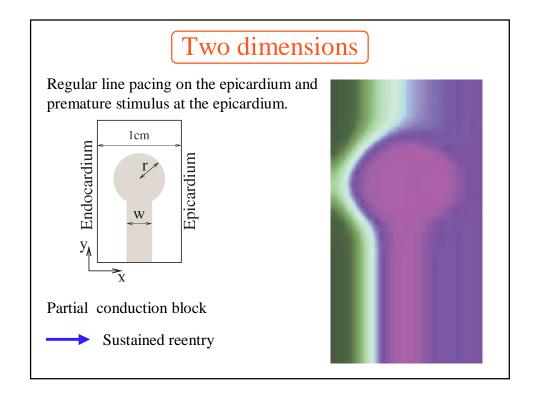


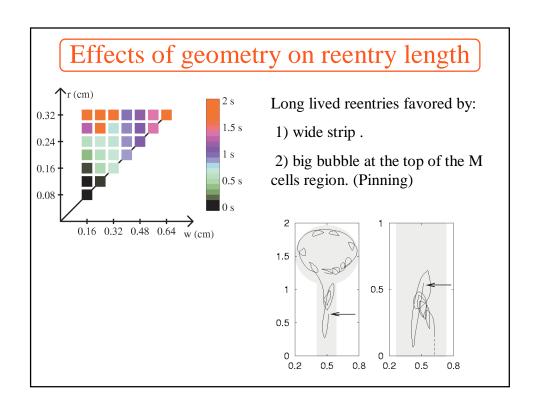












Role of intrinsic heterogeneities of cardiac tissue in an arrhythmogenic mechanism

## **Conclusion**

- EADs Can not lead to a premature stimulus without inhomogeneous coupling.
- CB is a possible arrhythmogenic mechanism.
- Importance of the geometric repartition of M cells.

## **Perspectives**

- 3D. Possible effects of line tension. Subsequent evolution of the spiral wave.
- CB is a possible arrhythmogenic mechanism.
- Importance of the geometric repartition of M cells.