

Summary

- 1) Assessing complexity of short-term heart period variability through entropy-based approaches
- 2) Evaluating complexity of short-term heart period variability through predictability techniques
- 3) Symbolization and pattern formation strategies for the assessment of cardiovascular control
- 4) Noninvasive monitoring of the cardiovascular regulation based on heart rate variability analysis: do non linear tools provide additional information?
- 5) Exploiting surrogate data to detect non linear dynamics and interactions in cardiovascular control
- 6) Time irreversibility analysis: a tool to detect non linear dynamics in short-term heart period
- 7) Disentangling cardiovascular control mechanisms via multivariate modeling techniques: the “spontaneous” baroreflex
- 8) Understanding the effect of nonstationarities over linear and non linear indexes derived from heart period variability series