MicroRNA-199b in the heart

Propositions

belonging to the thesis

MiR-199b and the hypertrophic heart: a journey across species

1. Despite the impressive ability of the heart to maintain function at an initial phase of pressure overload, prolonged stress eventually leads to dysfunction and failure. *(This thesis)*
2. Therapies tackling cardiovascular diseases often show disappointing results in clinical trials, suggesting a deficient understanding of the pathophysiology underlying cardiac disease. *(This thesis)*
3. Besides being a tool to increase disease comprehension, the development of reliable animal models provides platforms where new therapeutic strategies can be tested. *(This thesis)*
4. Due to the regulatory importance of non-coding RNAs in disease, they are attractive therapeutic targets to prevent, delay, or stop cardiac disease onset and development. *(This thesis)*
5. Pressure overload can trigger different molecular mechanisms in each ventricle, highlighting the importance of treating each as a unique substrate. *(This thesis)*
6. "The aim of science is not to open the door to infinite wisdom, but to set a limit to infinite error." *Bertolt Brecht*
7. "What you do makes a difference, and you have to decide what kind of difference you want to make." *Jane Goodall*
8. "Parecia-lhe que a vida era aprender, saber sempre mais e mudar para aceitar sempre mais." | "It seemed to her that life was about learning, to always know more, and always evolve to accept more." *Valter Hugo Mãe*
9. "Para quê fazer projetos, quando sai tudo ao contrário? Pode ser que, por milagre, troquemos as voltas aos Deuses." | "Why should we make plans if everything goes the opposite way? Maybe, by miracle, we manage to fool the Gods." *Jorge Palma*
10. "Tenho saudades de quem vou ser amanhã." | "I miss who I will be tomorrow." *Inês Alegre*