



“Post-doctoral opening for EU funding application”

We're looking for:

A **Postdoctoral researcher** with at least one publication as first author in a high impact factor journal (Impact factor 5 or higher) preferably related to the area of cardiovascular or cancer biology. Previous experience in **molecular biology and cardiovascular physiology** would be ideal but not essential

Investigation of the molecular mechanisms that regulate calcium-dependent signal transduction pathways in cancer and cardiovascular pathophysiology. We are particularly interested in the role of the Plasma Membrane Calcium ATPase (PMCA) proteins as negative regulators of the calcineurin and eNOS calcium-dependent signalling pathways.

Using in vitro and in vivo models we have recently established that the interaction PMCA4-calcineurin inhibits VEGF-mediated angiogenesis. We have also established that in breast cancer cells, the interaction PMCA2-calcineurin protects breast cancer cells from paclitaxel-induced apoptosis. Therefore, targeted disruption of the PMCA-calcineurin interaction in specific cells can be used with therapeutic purposes to enhance the formation of blood vessels in cardiovascular ischemic patients, or to improve paclitaxel-mediated cytotoxicity of tumoral cells in patients with breast cancer.

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Other postdoctoral openings are available in the University. If you're interested, please, contact us for more information

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