



Short Bio

Antonio Roldão is the Head of Vaccine Development Laboratory at the Animal Cell Technology Unit (Health & Pharma Division, iBET), and Head of Late-Stage R&D Bioproduction Unit at iBET.

Antonio Roldão graduated in Chemical Engineering at the Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, and holds a PhD in Engineering and Technology Sciences, Systems Biology from ITQB-NOVA.

Current Research is driven by the aim to develop novel complex biologics with impact in Human and Animal Health, and directed to both developed and developing countries. The basis for his work lies on the use and integration of multidisciplinary technologies such as synthetic biology, evolutionary and bioprocess engineering, and bottom-up systems biology to fasten the generation of the products he's interested in, particularly virus like particles (VLPs)-based vaccines against infectious and/or neglected diseases (e.g. Influenza, Dengue or haemorrhagic fever). Over the next 5 years he wants to consolidate his research career and continue developing novel bioprocesses for production of vaccines against high-impact (economic- and human-wise) diseases, thus providing solutions to those who most need.

CV Highlights: **(i)** Author of 20 scientific manuscripts in peer-reviewed journals and author/co-author of 3 book chapters (over 850 citations and h-index =13 - Scopus metrics); **(ii)** Over 20 poster and 15 oral communications (11 invited); **(iii)** Supervision of 7 PhD students and 1 Junior Researcher; **(iv)** Best PhD thesis of ITQB-NOVA in 2011; **(v)** "Investigador FCT 2014" from Fundação para a Ciência e a Tecnologia (Portugal); **(vi)** PI/co-PI of national and European public/private funded projects (Portuguese Science Foundation - 2, Swedish private foundations – 2); **(vii)** Project manager of Portuguese (1), Japanese (1), EU (7), pharma/biotech (2) funded projects; **(viii)** Member of organizing committee of two international scientific meetings and five courses on animal cell technology and protein production; **(ix)** Reviewer in international scientific journals.