

Name SURNAME: Frederico C. Ferreira			
Function:	Assistant Professor (Role in the project: Executive Coordinator)		
Institution:	Instituto Superior Técnico Av. Rovisco Pais 1049-001 Lisboa Portugal		<input type="checkbox"/> Funding Agency <input type="checkbox"/> Programme Manager
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Division	iBB-Institute for Bioengineering and Biosciences Department of Bioengineering		
Areas of Expertise:			
<p>Membrane technology. Process Engineering. Reactor design. Membrane manufacture. Scale-up. Wastewater treatment. Clean technology. Green chemistry. Chiral separations. Complex separations. Pharmaceuticals purifications. Degenotoxification. Mathematical modeling. Mass transfer kinetics. Process optimization. Cost-benefit analysis. Bioprocesses. Downstream. Biorefinary. Surfactants. Bioenergy. Novel materials. Molecular imprinted Polymers. Scaffolds. Stem Cells bioengineering</p>			
Short Description of your Institution:			
<p>Institute for Bioengineering and Biosciences (IBB), received a classification of Excellent from Fundação para a Ciência e Tecnologia, is a research unit of Association of Instituto Superior Técnico for Research and Development (IST-ID). IST-ID aims at carrying out Science and Technology activities, fostering knowledge transfer and promoting the involvement of national and foreign researchers in RD&I activities and projects in their areas of expertise. IST is the founding associate of IST-ID and makes available the large majority of facilities where IST-ID activities are carried out. The mission of IBB is to promote cross-disciplinary research, development and education encompassing the biological and engineering disciplines, in order to design more efficient and sustainable bioprocesses, create innovative products and provide useful services specifically targeted to the industrial, health and environmental biotechnology sectors. Main research infrastructures for the execution of the involved tasks such as a process development with membrane modules units in cross flow and dead end cells, as well as Bioreactor and Membrane Bioreactors and analytical equipment.</p>			
Role in the project:			
<p>Executive Coordinator. Contact point. Frederico Ferreira has expertise in membrane processes development at pilot and full scale and working with pharmaceutical industry in chiral resolutions. He acted as business catalyst of new start-ups. Ferreira will coordinate the economic and environmental analysis in WP5&6, leveraging on his experience as business catalyst and MBA formation. Considering experience Ferreira experience membrane process development and MIPs, he will also strongly participate in all tasks of WP2. Considering experience on engineering bioreactors and diastereomeric resolutions, Ferreira will also support task 3.2 and 4.1.</p>			

August 10, 2016