

Partner Name	Partner Type	Supervisor	Country	Project Role Description – PhD 1
Alltech	Industry <i>ESR Host</i>	Dr Richard Murphy	Ireland	<p>Yeast bioprocess development using systems and synthetic biology</p> <p>This project aims to develop yeast strains, which will be endowed with the ability to convert low value feedstocks into protein rich biomass. The target organisms will be analysed by -omics approach, and their metabolism will be tuned using adaptive laboratory evolution and synthetic biology tools to increase the amino acids synthesis and protein content of the cell. The strains designed in the first phase of the project will be used to develop a bioprocess which will be tested in lab and pilot scale.</p> <p>The research will be conducted at both Alltech and BiOrbic/UCD facilities. The first phase of the project, which involves systems analysis of the target organisms will be performed in Alltech, as well as the final phase of testing the designed strain for production at scale. The strain development phase of the project will be executed in BiOrbic/UCD.</p>
UCD - biOrbic <i>Main ESR Host Location</i>	Academic	Dr Tanja Narancic		

The ESR will be employed and hosted by Alltech. Any queries on this post please contact Talent4BBI@biorbic.com

ESR's Recruitment Timeline Process										
M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Recruitment Call Open and Applications Assessed					Interviews	ESR's hired, move to hosts. Fellowships commence				
Month 13 - Month 60 - Fellowship Implementation										