Sean Cullen, Development Scientist, **Genzyme Ireland Ltd in collaboration in University College Cork**
After being awarded a B.Sc. (Biotechnology) from Dublin City University in 2007, Sean worked as a Process Technician in the Purification Department at Wyeth Biotech, Grange Castle. Sean then moved to Genzyme, Waterford initially working as a Microbiologist supporting the Fill Finish manufacturing facility. In 2011 Sean joined the Technical Development Department as a Fill Finish Development Scientist where he specialises in lyophilisation cycle development, thermal and physical characterisation of liquid and solid state biopharmaceutical formulations and protein characterisation in both the liquid and solid states. Sean has worked in the biopharmaceutical industry for 8 years in total working with multiple recombinant protein based products. In 2013 Sean received a M.Sc. by research in Biopharmaceuticals from University College Cork; his thesis was entitled “The impact of Excipient State on the Structure and Stability of Lyophilised Biopharmaceuticals”.