



OÉ Gaillimh  
NUI Galway

## Microbiology External Seminar Series



# "Application of display technologies for therapeutic antibody engineering"



supported by MicroSoc



**Brian Fennell Ph.D.**  
Biomedicine Design, Pfizer

Senior Principal Scientist / Display-based Optimization Group

Brian graduated with a BSc in microbiology from UCD in 1999. He followed this with PhD and postdoctoral studies on microtubule inhibitors of the malarial parasite *Plasmodium falciparum*. He joined Wyeth's nascent protein discovery and optimization group at the Conway Institute in UCD back in 2007 as a senior research scientist, involved primarily in therapeutic antibody optimization using phage display. Just after the Pfizer acquisition in 2009, the group moved to the development building on the large Grange Castle biotech campus where it has since grown to 25 scientists. Brian runs a team within the group applying both phage and yeast display approaches to discovery and optimization programs spanning all Pfizer research units, including oncology, inflammation & immunology, internal medicine and rare disease.

With this talk, Brian will introduce the group and where it sits within the broader global Pfizer organization. He will give a brief **overview of the drug discovery process for large molecules, and use case studies to demonstrate protein engineering methods, and display technology platforms, the group uses to optimize therapeutic antibodies for clinical application.**

Thursday,  
1st  
November  
2018



Duncan  
Lecture  
Theatre,  
Microbiology

**ALL WELCOME**