



NUI MAYNOOTH
Ollscoil na hÉireann Ní Nuas



Dublin Region higher Education Alliance Chemistry

Recent Advances In Synthetic Carbohydrate Chemistry and Glycobiology

Friday November 11th: School of Chemistry, Trinity College Dublin, Science Lecture Theatre (LLT)

09:00 Registration

09:15 Introduction: Prof. Eoin Scanlan (TCD), Prof. Stefan Oscarson (UCD)

09:30 Prof. Eoin Scanlan, Trinity College Dublin: *Introduction to carbohydrate chemistry and glycosylation reactions (Part 1).*

10:15 Coffee break

10:45 Prof. Eoin Scanlan, Trinity College Dublin: *Introduction to carbohydrate chemistry and glycosylation reactions (Part 2).*

11:30 Prof. Stefan Oscarson, University College Dublin: *Strategies for Oligosaccharide Synthesis*

12:30 Lunch

13:30 Prof. Stefan Oscarson, University College Dublin: *Analysis of Oligosaccharides*

14:30 Prof. Jer Hayes, Trinity College Dublin: *Glycosylation of Fc gamma receptors-The key to IgG biological activity*

15:30 pm Coffee break

16:00 pm Dr. Marina Rubini, University College Dublin: *Engineering of post-translational modifications by means of non-natural amino acids*

17:00 pm Finish

**Saturday November 12th: School of Chemistry, Trinity College Dublin,
Science Lecture Theatre (SLT).**

09.15 Prof. Paul Murphy, National University of Ireland Galway: *Chemistry of protecting groups commonly used in oligosaccharide synthesis/carbohydrate chemistry*

10:00 Prof. Paul Murphy, National University of Ireland Galway: *Chemical strategies in glycopeptide, glycoprotein and glycolipid synthesis*

10:45 Coffee

11:15 Prof Pauline Rudd, NIBRT: TBA

12:00 Prof. Stefan Oscarson, University College Dublin: *Glycoconjugate vaccines*

12:45 pm finish