

Royal Society of Chemistry

Analytical Division

Northern Ireland Region

Presents a Lecture Entitled

Molecularly Imprinted Polymers: Advanced Separation Media with
Predetermined Selectivity

Speaker: Dr Panagiotis Manesiotis of School of Chemistry and Chemical
Engineering, Queens University of Belfast

On

Wednesday 25th September 2013, Room 01/403 in the DKB at 4.30 pm, School
of Chemistry and Chemical Engineering, Queen' University of Belfast

Synopsis: “ Molecular imprinting is a technique first developed in the middle of the last century and, having now evolved into a powerful analytical tool, has been involved in a variety of processes ranging from trace analysis to industrial-scale separations. In a nutshell, molecular imprinting utilises characteristics of a molecular template, such as chemical functionality, polarity, shape, and size, to create a polymeric mould around it, much like a footprint in wet cement, which can be later used to selectively recognise this template and extract it from a complex mixture.

This presentation will focus on applications of imprinted polymers in the recognition and extraction of analysis of biological and pharmaceutical interest and discuss the development and benefits of tailor-made recognition elements”.