

NWAD ANNUAL CHRISTMAS LECTURE INVITATION



30 Nov 2016 @ 6 pm



KEEP
CALM
AND

SPEND YOUR
175
ANNIVERSARY
MINUTES AT
THE
CHRISTMAS
LECTURE

The NWR-AD committee members would like to welcome all RSC Analytical Division members and their guests to **this annual** event (pre-lecture drinks & post-lecture buffet dinner @ £5 per person). This year our presenter is **Dr Tony Bristow** with a talk entitled: **Made to be measured: The revolutions in analytical science for the real time analysis of the human body.** Dr Bristow Associate Principal Scientist in mass spectrometry within Pharmaceutical Development at AstraZeneca. In 2015 Tony delivered the prestigious 38th Dalton Lecture at the invitation of the Royal Society of Chemistry.

WHERE: New Business School G0.35
Manchester Metropolitan University
Oxford Road, M1 5GB
<http://www2.mmu.ac.uk/travel/manchester/>
WHEN: 30th of NOVEMBER 2016
TIME: 17:30 FOR 18:00
RSVP: To Sanja Potgieter-Vermaak
s.potgieter@mmu.ac.uk / Clare Rawlinson-Malone
Clare.Rawlinson-Malone@bms.com **BEFORE 23rd of November**

SECURE YOUR PLACE with electronic transfer:

Account Name: Royal Society of Chemistry Analytical Division N W Region
Account Number: 80799297
Sort Code: 20-10-71
IBAN: GB43 BARC 2010 7180 7992 97
SWIFT: BARCGB22

Looking forward to seeing you all! Please encourage your fellow colleagues to attend this special social event and opportunity to network.

Made to be measured: The revolutions in analytical science for the real time analysis of the human body.

Analytical science has made an enormous impact on the understanding of the biological and chemical processes within the human body.

This has been achieved via the application of a vast range of techniques. However, many of these approaches require off-line analysis, where samples are taken from a subject, transported to a laboratory, prepared and then analysed. A vision for the future would remove the need to take a sample and analysis would be carried out on an individual in real time, to provide an immediate measurement of the level of an analyte or analytes. This presentation will describe some of the most exciting developments in real time measurement of the human body. From cancer diagnosis by mass spectrometry to real time monitoring of key clinical analytes using smart phone based devices, this incredibly exciting science will be described. However, this does raise a final question. Will we be making everybody a home analytical scientist and what could be the implications?

