

Administrator  
Manchester Medical Society  
C/o John Rylands University Library  
Oxford Road  
Manchester  
M13 9PP

## DIRECTIONS & PARKING Stopford Building

Located within the Manchester University Campus, the Stopford Building (Medical School) is situated on Oxford Road, next to the Holy Name Church.

Building 79 on Campus Map.

<http://www.manchester.ac.uk/aboutus/travel/maps/>

### CAR PARKING

Visitor parking is available 4.00 pm—12 midnight at a cost of £2.00 in the following car parks.

Car Park E—Cecil Street.

Car Park F—Dilworth Street (opposite the Stopford Building) and is accessed via Denmark Road, Acomb Street and Dilworth Street.

Car Park G—Dover Street.

*Car Park charges correct at time of printing.*

### PUBLIC TRANSPORT

From Piccadilly Train Station catch the 147.

From Piccadilly Bus Station catch any of the following: 14, 16, 41, 42, 43, 44, 48, 111, 140, 142, 157 and 250.

From Victoria Train Station, catch the Tram to Piccadilly Bus Station and catch one of above services.

From Manchester Airport catch the 43 bus.

From Oxford Road Station, go down the station approach to Oxford Road and turn right. The University is a ten minute walk away. Alternatively, buses stop outside the Palace Hotel.



**Manchester Medical Society**  
Charity No 222800  
**Section of Pathology**

**Mr B Keevil**  
“The analysis of steroids  
by LC-MS/MS a rapidly  
maturing technology”

CPD Applied

**Wednesday**  
**11th January 2012**  
**Starts 5.30 pm**  
**Registration & Coffee from**  
**5.00 pm**

**Lecture Theatre 2**  
**STOPFORD BUILDING**  
**University of Manchester**  
**Oxford Road, Manchester,**  
**M13 9PL**

Tel: 0161 273 6048  
Fax: 0161 272 8046  
Email: [admin@mms.org.uk](mailto:admin@mms.org.uk)



**Lecture Theatre 2**  
**STOPFORD BUILDING**

**11th January 2012**

5.00 pm Coffee & Registration  
on the first floor

5.30 pm

**Mr Brian Keevil**

Consultant Clinical Scientist  
University Hospital of South Manchester  
NHS Foundation Trust

**“The analysis of steroids  
by LC-MS/MS a rapidly  
maturing technology”**

7.45 pm Dinner

There will be an informal dinner following the meeting in honour of the speaker at a local restaurant—to be paid for at the restaurant on the night.

**Lecture Theatre 2**  
**STOPFORD BUILDING**

**11th January 2012**

Immunoassay has been the mainstay of steroid analysis in routine laboratories for over 30 years but it is now recognised that some of these immunoassay methods suffer from lack of specificity due to poor antibody performance. Laboratories have therefore looked to more precise analytical techniques to improve the performance of steroid assays and of the liquid chromatography tandem mass spectrometry has shown the most promise. LC-MS/MS has been in routine use in neonatal screening laboratories for over 20 years but has only been used in routine clinical laboratories for 10 years. LC-MS/MS offers many advantages to the clinical laboratory through an improvement in not only specificity but also in very low detection limits. In addition it offers the ability to measure several steroids simultaneously and this allows the construction of profiles to investigate specific conditions eg adrenal steroids and androgenic steroids. There are disadvantages to the technique and these include a requirement for increased sample preparation which leads to a consequent loss of sample throughput. The instruments are also relatively expensive to buy and generally require highly skilled staff to operate them, but continuing improvements in instrument design are tackling some of these problems. This presentation will focus on the advantages of LC-MS/MS for steroid analysis but will also address some of the problems inherent with the technique.

**MANCHESTER MEDICAL  
SOCIETY**  
**Pathology—REGISTRATION FORM**  
**11th January 2012**

*There is a charge for non members to attend this meeting.*

Name .....

Job Title .....

Contact Address .....

.....

Email address .....

Tel No .....

**Please select appropriate rate:**

Manchester Medical Society (FREE)

Medical Student (FREE)

(please use your student email address)

**Non-Member** £10.00

Please reserve ..... .. places at the Dinner

Non members please include payment by cheque, made payable to Manchester Medical Society and return to the address overleaf.

WHY NOT JOIN: Details of how to join & annual subscription rates can be found at [www.mms.org.uk](http://www.mms.org.uk)

Reduced subscription rates are available for newly qualified doctors.