Focus
Association for Clinical Biochemistry
and Laboratory Medicine
National Meeting
Cardiff 2015

8th-11th June
Wales Millennium Centre, Cardiff

Breaking Boundaries in Laboratory Medicine

Meeting Handbook
The only variable of our HbA1c...
The name of the technique!
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Acknowledgements

Focus 2015 was organised by the Local Organising Committee under the guidelines provided by the Council of the Association for Clinical Biochemistry and Laboratory Medicine.

**Focus 2015 Local Organising Committee**

- **Chair**
  - David Cassidy
- **Vice Chair and Treasurer**
  - Catherine Bailey
- **Scientific Programme Committee Chair**
  - Andrew Day
- **Promotion and Publicity**
  - Sarah Tennant
  - Gina Sanki
  - Avril Wayte
  - Michael Melhuish
  - Mark Weaver
  - Carol Evans
- **Social Programme**
  - Andrew Day
- **Corporate Members’ Representative**
  - Andrew Day
- **Local Sponsor Contact**
  - Andrew Day

**The Scientific Programme Committee members were:**

- Andrew Day, **Chair**
- Ruth Ayling
- Graham Bayly
- Peter Beresford
- Ann Bowron
- Francesca Mills
- Mandy Perry
- Paul Thomas

**With the assistance of**

- Vicki Grant, Sharleen Geddes and the Meeting Makers’ staff
- Ian Godber, *ACB National Meetings Secretary*
- Kathryn Brownbill, *ACB National Meetings Committee*
- Elizabeth Hall, *Editor, Proceedings of the ACB National Meeting*
- Jonathan Berg, *Editor, ACB News*
- Nic Law and the ACB Office Staff
- ACB Executive Committee

The Local Organising Committee also wishes to acknowledge the help of:

- Nikki Williams, John Williams, Sue Ojakowa and the staff at the Wales Millennium Centre
Faecal Immunochemical Tests (FIT) offer significant advantages over traditional guaiac-based occult blood tests.

- Quantitative results for consistent measurement
- Identification of high risk patients for immediate therapy
- Low f-Hb <10μg/g faeces has a high negative predictive value (NPV) of:
  - 100% for cancer
  - 94.65% for High Risk Adenoma (HRA)
  - 93.50% for Low Risk Adenoma (LRA)
  - 94.00% for Inflammatory Bowel Disease

DOI: 10.1111/codi.12087

Many studies have now demonstrated the clinical value of quantitative FIT tests in both symptomatic as well as screening applications.

To find out how you can help your clinicians provide a better treatment algorithm for their patients, please come and see our solutions and discuss your testing needs at:

ACB - Focus, Cardiff, 8-11th June, Stand 19
DDF - Excel London, 22-25th June, Stand 95

To find out more visit our website at:
www.alphalabs.co.uk/FIT
A message from

Eric Kilpatrick

President of the Association for Clinical Biochemistry and Laboratory Medicine

I wish to welcome you to Cardiff and to Focus 2015. We have been fortunate to secure the unique venue of the Wales Millennium Centre within Cardiff Bay for this year’s meeting and it will come as no surprise that Andrew Day has ensured that the scientific content of the conference matches the quality of the venue and that David Cassidy has organised proceedings so that it is as much a delight outside of the educational sessions as it is within.

In respect of the programme, there is a wide range of scientific topics to appeal to all the disciplines which constitute the ACB. Old favourites have been included, such as the Clinical Cases and Hot Topics sessions and we have some truly world class speakers from home and abroad giving us plenary lectures. I am always reassured that our profession is in good hands when I hear younger delegates presenting, so I am thrilled that the ACB Medal Award is being competed for as a highlight of the meeting.

But Focus is not only about scientific content. It gives us the opportunity to network with our work and industry colleagues, so I would ask that you take every opportunity to do so. The relationships built up at these meetings are often life-long and enhance the enjoyment we have of working in our specialities.

I am well aware that no matter how good a scientific programme or venue is, it is becoming more difficult to be able to attend all the meetings you might want to, whether because of financial or time constraints. I therefore thank you for making your attendance at Focus a priority. I am sure that the meeting itself will repay your vote of confidence.
The RX series
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The RX series of chemistry analysers combines robust hardware and intuitive software with the highest quality reagents. The extensive RX series test menu ensures unrivalled precision and accuracy for results you can trust.

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Comprising third party controls designed to deliver test menu consolidation, online interlaboratory data management and the world’s largest global EQA scheme; the Randox Quality Control package ensures complete confidence in patient testing.

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randox.com
A message from

David Cassidy
Chairman of the Local Organising Committee

Croeso i Gymru, Croeso i Gaerdydd, Croeso i ACB Focus 2015
Welcome to Wales, Welcome to Cardiff, Welcome to ACB Focus 2015

It is an honour and a pleasure on behalf of the ACB Local Organising Committee to welcome you to the capital of Wales, my home city of Cardiff and to the Wales Millennium Centre for Focus 2015. It is more than thirty years since the ACB held a national meeting in Wales so it is fitting that our meeting should be held in such a prestigious and iconic venue.

The Wales Millennium Centre, which this year is celebrating its 10th Anniversary, is located right next door to the National Assembly for Wales, the Senedd and we are delighted that the Minister for Health and Social Services for Wales, Professor Mark Drakeford AM has agreed to open our Scientific Conference.

The Centre is a superb venue to host the ACB National Scientific Conference with the main auditorium being the focus of the plenary sessions, behind which is the large backstage area providing an excellent space for the conference Exhibition and Poster Presentations, with a variety of other lecture theatre and breakout room facilities to support the whole conference.

The theme of Focus 2015 is Breaking Boundaries in Laboratory Medicine and the Scientific Programme Committee have put together a very exciting programme covering a wide variety of topical and innovative issues challenging our day to day practice of laboratory medicine. The programme reiterates the pivotal importance of high quality laboratory services in underpinning the delivery of quality clinical care and patient safety across primary and secondary care and the key role that laboratory medicine plays in research, innovation and application of the rapid advances in molecular diagnostics.

The venue lends itself perfectly to accessing the supporting Exhibition Area and the Poster Presentation Areas. A significant amount of work has gone into inviting sponsors and exhibitors to participate in our conference and we are very pleased to welcome colleagues from the Diagnostic Industry, the Pharmaceutical Industry, Academia, the National Pathology Programme Board, Public Health Wales and other non-commercial partners involved in healthcare across Wales.

The Local Organising Committee has put together an interesting and varied Social Programme making the most of the Millennium Centre’s great location in the heart of Cardiff Bay. Many of the events are being held within the Centre itself or venues within Cardiff Bay. The Conference Dinner is being held in Cardiff Museum, which is located in the heart of the attractive Cardiff City Centre, so we hope to create an evening to remember with a strong Welsh cultural theme.

I am very grateful for the unstinting efforts and support of the other members of the Local Organising Committee, Meeting Makers and the Scientific Programme Committee in developing the Conference Programme and I am delighted that you are able to participate. I hope you have a great conference.

Croeso I Gymru, gwlad y gan! – Welcome to Wales, the land of song!
An Extension of Your Laboratory...

At SWBH NHS Trust we offer a number of specialist tests which reflect the expertise of our NHS hospital laboratories in several areas.

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- Email PDF and other electronic reporting

We put great emphasis on:
- Turn round time
- Working as part of your team

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Address for samples: Clinical Biochemistry, City Hospital, Dudley Road, Birmingham B18 7QH
General information

Venue
The venue for Focus 2015 is the Wales Millennium Centre, Bute Place, Cardiff CF10 5AL.

Tel: 029 2063 4661
Website: www.wmc.org.uk

Tourist Information
Cardiff Tourist Board:
Tel: 029 2087 3573
Website: www.visitcardiff.com

Getting to the Venue
Arriving by train or bus: First Great Western run services between West Wales and London Paddington, stopping at Cardiff Central Station.

www.firstgreatwestern.co.uk

A shuttle service (Cardiff Baycar, service No 6) runs from Cardiff Central Station every 10 minutes (and is just an 8 minute journey to the Wales Millennium Centre). Exit to the rear of the station and cross the car park to the bus stop in front of the British Gas building.

Please note exact change is required for this bus service, currently £1.80 single or £3.70 for a ‘Day to Go’ ticket.

www.cardiffbus.com/baycar.shtml

CrossCountry runs services to Cardiff from the Midlands, the South West, Manchester and the North East. Visit the link below for further information and to buy tickets – there’s no booking fee and if you buy an advance ticket you can print your tickets at home and select your own seat.

www.crosscountrytrains.co.uk

National Rail Enquires
Tel: 08457 48 49 50
www.nationalrail.co.uk

Arriving by air: Cardiff Airport is approximately a 27 minute taxi ride away from Cardiff Bay. A taxi rank can be found at the arrivals terminal within the airport.

www.cardiff-airport.com

Alternatively, you may prefer to book your train ticket all the way through to Cardiff Bay. Trains run from Cardiff Queen Street Station to Cardiff Bay every 12 minutes from Platform 4 and take 4 minutes. Cardiff Queen Street can be accessed from Cardiff Central either on foot or by a 3 minute train journey departing from Platform 6.

Arriva Trains Wales
Tel: 0845 606 1660
www.arrivatrainswales.co.uk

For further directions visit:
www.focus-acb.org.uk/travel.asp
Parking
Discounted parking is available close to the venue at Pierhead Street multi-storey car park (Pierhead Street, Cardiff CF10 4PH). The car park is open 24 hours. You must validate your chip coin for the car park at the Registration Desk to benefit from the reduced rate.

Arrival/Registration
The Registration Desk is located in the main foyer of the Wales Millennium Centre and will be open from 08.00-17.00 on Tuesday 9th and Wednesday 10th June. On Thursday 11th the Registration Desk will be open from 08.30-16.30.

Registration for the Training Day will be open from 08.30-18.00 on Monday 8th June.

Hotel Contact Details

Future Inn
Hemingway Road
Cardiff CF10 4AU
Tel: 0292 048 7111

Radisson Blu
Meridian Gate
Bute Terrace
Cardiff CF10 2FL
Tel: 0292 045 4777

Cardiff Marriott
Mill Lane
Cardiff CF10 1EZ
Tel: 0292 039 9944

Ibis Cardiff City Centre
Churchill Way
Cardiff CF10 2HA
Tel: 0292 064 9250

Hilton Cardiff
Kingsway
Cardiff CF10 3HH
Tel: 0292 064 6314

Mercure Holland House Cardiff
24 26 Newport Road
Cardiff CF24 0DD
Tel: 0292 043 5062

Accommodation
For locations, see map on page 12.

Any queries regarding accommodation bookings made through the Focus 2015 Secretariat should be addressed directly to Meeting Makers.

At the time of booking, all delegates were required to provide credit card details to secure their booking. These details have been forwarded to the hotel, but payment will not have been taken. Delegates must settle their own accounts on arrival or departure from the hotel. Resident delegates must comply with the check-out times of individual hotels and ensure that all charges are cleared before departure. Those needing to leave luggage on their first or last day can do so at the main cloakroom of the venue.

Conference Information
Messages
Any urgent messages received for delegates will be passed on to the individual involved. Please call or email the following:

Tel: 0292 063 6464
Email: focus2015@meetingmakers.co.uk
Scientific Sessions
Please refer to the programme on pages 15-25 for full details.

Posters
Posters will be displayed in the Exhibition Hall. Presenting authors are required to be present at the following times:

- **Tuesday 9th June**: 13.20-14.20
- **Wednesday 10th June**: 13.00-13.50
- **Thursday 11th June**: 13.00-13.45

Prizes will be awarded for the best three poster presentations each day.

Posters should be mounted on the allocated poster board between 08.30 and 09.00 in the morning and should be removed by the following times to prevent disposal:

- **Tuesday 9th June**: 19.00
- **Wednesday 10th June**: 17.30
- **Thursday 11th June**: 16.30

Annual General Meetings
These will be held on Monday 8th June. The AGM of the Federation of Clinical Scientists will be from 17.15, followed by the AGM of the Association for Clinical Biochemistry and Laboratory Medicine from 18.00. Both will be held in the Preseli Room.

Exhibition
The Exhibition will be held in the Exhibition Hall. To allow delegates to connect with colleagues in industry, a Reception will be held until 19.00 following the close of the Scientific Meeting on Tuesday 9th June:

- **Tuesday 9th June**: 09.45-19.00
- **Wednesday 10th June**: 09.45-17.00
- **Thursday 11th June**: 09.45-14.30

WiFi
Free WiFi is available for all attendees. The WiFi service to log onto is WCBB. You do not need a login or password, you simply provide some personal details including email address.

Catering
Refreshments and lunch will be provided at the catering points in the Exhibition Centre. Coffee and tea will be provided during the breaks each day.

Security
Delegates are reminded to wear their badges at all times. Entry to the Scientific Symposia will be restricted to persons wearing appropriate badges. Those wearing Exhibition Visitor badges will only be allowed into the Exhibition and Industry Sponsored Workshops.

Mobile Phones and Pagers
As a courtesy to speakers and other delegates, mobile phones should be switched to a non-audible alert, before entering any lecture theatre or meeting room.

Audio-Visual Service
Speakers should take their presentations directly to the speakers’ preview room. There will be technicians in the room to assist with any problems.

CPD
The meeting is registered for CPD with the Royal College of Pathologists and the Institute of Biomedical Science. Certificates of Attendance will be issued by email after the meeting. Delegates are reminded to sign in each morning. Sign-in sheets will be located in the registration area.
Focus 2016
Association for Clinical Biochemistry
and Laboratory Medicine
National Meeting
University of Warwick

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18 – 21 April 2016
www.focus-acb.org.uk
VENUES & STATIONS
1 Wales Millennium Centre
   (Conference Venue)
2 ffresh
   (Trainees’ Evening)
3 Terranova
   (Corporate Evening)
4 Cardiff Bay Station
5 Queen Street Station
6 National Museum
   (Conference Dinner)
7 Cardiff Central Station
8 Brewery Quarter and ‘The Yard’ (Focus Fringe)

HOTELS
A Future Inn
   Hemingway Rd CF10 4AU
B Radisson Blu
   Bute Terrace CF10 2FL
C Cardiff Marriott
   Mill Lane CF10 1EZ
D Ibis Cardiff City Centre
   Churchill Way CF10 2HA
E Hilton Cardiff
   Kingsway CF10 3HH
F Mercure Holland House
   Newport Road CF24 0DD
Focus 2015 | Introduction | Millennium Centre Layout

The Wales Millennium Centre
Summary Programme

Monday 8th June
09.30-16.30  Training Day

Tuesday 9th June
09.00-09.15  Welcome
09.15-10.00  ACB Foundation Award Lecture
10.00-11.00  Break and Exhibition
10.10-10.55  Industry Sponsored Workshops: Thermo Fisher and BD
11.00-13.00  Parallel Sessions:
              Steroids and Sex
              Genetics and Genomics
11.00-13.00  SpR Satellite Meeting
13.00-14.30  Lunch and Exhibition
13.20-14.20  Attended Poster Session
14.30-15.15  The Flynn Lecture
15.15-15.45  Break and Exhibition
15.45-17.45  Parallel Sessions:
              Porphyrias
              Audit Symposium

Wednesday 10th June
08.45-10.45  Parallel Sessions:
              Haematology and Immunology for Biochemists
              MetBioNet Symposium: Inherited Muscle Diseases
10.45-11.45  Break and Exhibition
10.55-11.40  Industry Sponsored Workshops: Immundiagnostik AG and Waters Ltd
11.45-12.30  Professors’ Prize Lecture
12.30-14.00  Lunch and Exhibition
13.00-13.50  Lunchtime Debate
13.00-13.50  Attended Poster Session
14.00-14.45  ACB/AACC Transatlantic Lecture
14.45-15.15  Break and Exhibition
15.15-17.15  Parallel Sessions:
              Point of Care Testing
              ACB Medal Award

Thursday 11th June
09.00-11.00  Parallel Sessions:
              Mass Spectrometry
              Clinical Cases
11.00-12.00  Break and Exhibition
11.10-11.55  Industry Sponsored Workshop: MSD Ltd
12.00-12.45  ACB International Lecture
12.45-13.45  Lunch and Exhibition
13.00-13.45  Attended Poster Session
13.45-15.45  Recent Advances and Hot Topics Symposium
15.45-16.00  Closing Ceremony
              Presentation of ACB Medal Award and Poster Prizes
Plenary Speaker Profiles

Tuesday 9th June

Professor Stephen Halloran

Professor Stephen Halloran is based in Guildford and directed the NHS Bowel Cancer Screening Programme Southern Hub from the Programme’s inception in 2006 until his retirement in March 2015. He also directed the NHS Guildford Medical Devices Evaluation Centre (GMEC) and was Consultant Clinical Biochemist at the Royal Surrey County Hospital. He is Professor Emeritus (Clinical Biochemistry) at the University of Surrey and continues to have an active role in supporting colorectal cancer (CRC) screening activities worldwide.

Stephen was Editor-in-Chief of the *Annals of Clinical Biochemistry*, founding editor of www.labtestsonline.org.uk, Director of the Surrey MSc in Clinical Biochemistry & Molecular Biology, ACB lead regional tutor for SE England and expert advisor to the MHRA. He developed GMEC in 1989 and authored many advisory reports on the technical and scientific effectiveness of clinical analysers; it was a GMEC report on tests for CRC that introduced Stephen to cancer screening. He has published more than 40 papers on CRC screening. He led the GMEC evaluation of four FIT systems in 2013 for the NHS BCSP and co-directed a six-month BCSP FIT Pilot in 2014 at two BCSP Hubs (Southern and Midlands & North West).

Stephen continues as a member of the UK’s Ministerial Bowel Cancer Screening Advisory Committee and advisor to several government health organisations around the world on their implementation of population-based CRC screening programmes. He is also a founding member of the World Endoscopy Organization Colorectal Cancer Screening Committee’s Expert Working Group ‘FIT for Screening’, a group that is promoting improvements to FIT and its use in screening programmes across the world.

Dr Ian Barnes

Dr Ian Barnes was Head of Biochemistry and Immunology in Leeds and then became Director of Pathology, a post he held for 12 years. Since 2000 he has had various roles in the Department of Health leading the National Pathology Modernisation Programme. As National Clinical Director for Pathology he led an NHS QIPP priority service transformation work stream and is an advocate of consolidation and networks. He recently led the Independent Review of Pathology Quality Assurance in NHS England which was published in January 2014. He is now Specialist Advisor to the Chief Scientific Officer advising on pathology quality, and service innovation and transformation.

Ian was a board member of the National Technology Adoption Centre and the Carter Independent Review of Pathology, and was a member of the Department of Health Human Genomic Strategy Group where he led the service development work stream.
Wednesday 10th June

Dr Jason Gill

Dr Jason Gill is a Reader in Exercise and Metabolic Health in the Institute of Cardiovascular and Medical Sciences at the University of Glasgow. Major research interests include why certain population groups appear to be particularly susceptible to the adverse effects of a ‘Westernised’ lifestyle, and how lifestyle interventions can modulate this excess risk; the interactions between physical activity, energy balance, body fatness and disease risk; and the mechanisms by which exercise regulates lipoprotein metabolism. He is a past Chair of the British Association of Sport and Exercise Sciences (BASES) Division of Physical Activity for Health and a member of the development groups for the Scottish Intercollegiate Guidelines Network (SIGN) guidelines for the prevention and treatment of obesity and for prevention of cardiovascular disease.

Thursday 11th June

Dr Jay D Horton

Dr Jay D Horton is Professor of Internal Medicine and Molecular Genetics, Chief of the Division of Digestive and Liver Diseases, and holds the Robert C. and Veronica Atkins Chair in Obesity and Diabetes Research at UT Southwestern Medical Center. Dr Horton is a former PEW scholar and member of the American Society for Clinical Investigation and Association of American Physicians. He serves as a Consulting Editor for Arteriosclerosis, Thrombosis, and Vascular Biology and as an Associate Editor of The Journal of Lipid Research. In clinical digestive diseases, Dr Horton has an interest in conditions that lead to fatty liver disease and obesity. Currently a major focus of the laboratory is to determine how regulators of fat metabolism contribute to the development of fatty liver in various disease processes such as diabetes, obesity, and fatty acid oxidation defects. In recent work, Dr Horton has delineated the function of PCSK9, a protein secreted into the blood that determines plasma cholesterol levels through its action on LDL receptors in liver.
Sunday 7th June

from 19.30  **Trainees’ Dinner**
Trainees are invited to join members of the Education Committee and Training Day speakers for dinner at ffresh Bar & Restaurant in the Wales Millennium Centre.

Monday 8th June

**Training Day**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>09.30-10.00</td>
<td><strong>The Importance of the Multidisciplinary Team Approach: Expanded Newborn Screening</strong></td>
<td>PRESELI ROOM</td>
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<tr>
<td></td>
<td><em>Chair: Dr Rachel Carling, London</em></td>
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<tr>
<td>09.30-10.00</td>
<td>Introduction and overview of the newborn screening pathway</td>
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<td></td>
<td><em>Dr Rachel Carling, London</em></td>
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<tr>
<td>10.00-10.30</td>
<td>The role of the Newborn Screening laboratory</td>
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<td></td>
<td><em>Miss Roanna George, Cardiff</em></td>
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<tr>
<td>10.30-11.00</td>
<td><strong>Break</strong></td>
<td>PENDERYN AWEN BAR</td>
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<tr>
<td>11.00-11.30</td>
<td><strong>The Importance of the Multidisciplinary Team Approach: Expanded Newborn Screening cont.</strong></td>
<td>PRESELI ROOM</td>
</tr>
<tr>
<td>11.00-11.30</td>
<td>Clinical referrals</td>
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<td></td>
<td><em>Dr Helen Mundy, London</em></td>
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<tr>
<td>11.30-12.00</td>
<td>The diagnostic IMD laboratory</td>
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<td></td>
<td><em>Dr Rachel Carling, London</em></td>
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<tr>
<td>12.00-12.30</td>
<td>The role of the metabolic dietitian</td>
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<td></td>
<td><em>Mrs Joanne Gribben, London</em></td>
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<tr>
<td>12.30-13.00</td>
<td>The UK Newborn Screening Programme Centre: Standards and KPIs</td>
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<td></td>
<td><em>Prof Jim Bonham, Sheffield</em></td>
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<tr>
<td>13.00-13.30</td>
<td><strong>Lunch</strong></td>
<td>PENDERYN AWEN BAR</td>
</tr>
<tr>
<td>13.30-16.30</td>
<td><strong>Clinical Biochemistry Afternoon Session – FRCPath Practical Survival</strong></td>
<td>PRESELI ROOM</td>
</tr>
<tr>
<td></td>
<td><em>Chair: Dr Frances Boa, London</em></td>
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<tr>
<td>13.30-14.30</td>
<td>Troubleshooting within the laboratory</td>
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<td></td>
<td><em>Prof Tim James, Oxford</em></td>
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<tr>
<td>15.00-16.30</td>
<td>How to survive the FRCPath practical examination</td>
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<td></td>
<td><em>Dr Chris Chaloner, Manchester</em></td>
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<tr>
<td>17.15-18.45</td>
<td><strong>Annual General Meetings</strong></td>
<td>PRESELI ROOM</td>
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<td>17.15-18.00</td>
<td>AGM of the Federation of Clinical Scientists</td>
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<td>18.00-18.45</td>
<td>AGM of the Association for Clinical Biochemistry and Laboratory Medicine</td>
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<td>19.30-late</td>
<td><strong>Corporate Members’ Evening</strong></td>
<td>SOCIAL EVENT: TERRA NOVA, MERMAID QUARY</td>
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<td></td>
<td>The Corporate Members’ Evening will be held at Terra Nova, situated on Mermaid Quay, a short walk from the Millennium Centre with fantastic views over Cardiff Bay.</td>
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## Tuesday 9th June

### 09.00-09.15
**Welcome**  
*Prof Mark Drakeford AM, Minister for Health and Social Services for Wales*  
**DONALD GORDON THEATRE**

### 09.15-10.00
**ACB Foundation Award Lecture**  
*Chair: Prof Eric Kilpatrick, Hull*  
**Colorectal cancer screening: challenges and solutions**  
*Prof Stephen Halloran, Guildford*  
**DONALD GORDON THEATRE**

### 10.00-11.00
**Break and Exhibition**  
**EXHIBITION HALL**

### 10.10-10.55
**Industry Sponsored Workshops**  
**Thermo Fisher**  
**PRESELI ROOM**  
**Mass Spectrometry for the Clinical Scientist: Where We Are Today?**  
*Dr Ed Groucher*

**BD**  
**DAVID MORGAN ROOM**  
**Improving Quality In, and Speed of, the Preanalytical Phase – What Can Be Done?**  
**Improving the Preanalytical (PA) Phase Through Auditing – How Can We Support You?**  
*Dr Ghazaleh Pourmahram*

### 11.00-13.00
**Parallel Sessions**  
**Steroids and Sex**  
**DONALD GORDON THEATRE**  
*Chair: Dr Paul Thomas, Bristol*  
**11.00-11.30**  
**Disorders of sex development**  
*Dr Gill Rumsby, London*

**11.30-12.00**  
**New uses of AMH and its value in clinical practice**  
*Dr Richard Anderson, Edinburgh*

**12.00-12.30**  
**Androgen replacement**  
*Dr Richard Quinton, Newcastle*

**12.30-13.00**  
**Androgen abuse**  
*Prof David Cowan, London*

**Genetics and Genomics**  
**WESTON STUDIO**  
*Chair: Dr Ruth Ayling, London*  
**11.00-11.30**  
**Pharmacogenomics and pharmacometabonomics for personalised medicine**  
*Prof Jeremy Everett, Greenwich*

**11.30-12.00**  
**Cancer treatment and targeted therapy**  
*Dr Andrew Wallace, Manchester*

**12.00-12.30**  
**Implications of pharmacogenomics for drug safety**  
*Prof Munir Pirmohamed, Liverpool*

**12.30-13.00**  
**Cell free DNA and prenatal testing**  
*Prof Peter Soothill, Bristol*

### 13.00-14.30
**Lunch and Exhibition**  
**EXHIBITION HALL**

### 13.20-14.20
**Attended Poster Session**  
**EXHIBITION HALL**
14.30-15.15  **The Flynn Lecture**  
*Chair: Dr David Cassidy, Cardiff*  
**Improving healthcare: underpinning the clinical revolution with high quality pathology**  
*Dr Ian Barnes, Leeds*

15.15-15.45  **Break and Exhibition**

15.45-17.45  **Parallel Sessions**  
**Porphyrias**  
*DONALD GORDON THEATRE*  
*Chair: Dr Mike Badminton, Cardiff*  
15.45-16.15  
**Acute porphyrias: diagnosis and management**  
*Prof David Rees, London*  
16.15-16.45  
**The role of genetic testing in porphyrias**  
*Dr Mike Badminton, Cardiff*  
16.45-17.15  
**Protoporphyria: new developments and novel treatment approaches**  
*Dr Bob Sarkaney, London*  
17.15-17.45  
**The European Porphyria Network: improving diagnostic accuracy through quality assurance and networking**  
*Prof Sverre Sandberg, Bergen, Norway*

**Audit Symposium**  
*WESTON STUDIO*  
*Chair: Mrs Annette Thomas, Cardiff*  
15.45-16.20  
**The use of HbA1c in the diagnosis of Type 2 Diabetes Mellitus**  
*Mrs Sarah Robinson, Cheshire*  
16.20-16.55  
**National Audit on peri/menopause testing**  
*Dr Annie Armstrong, Southampton*  
16.55-17.10  
**An evaluation of the use of serum peanut-specific IgE measurements**  
*Dr Shirley Bowles, Chester*  
17.10-17.25  
**The utility of biochemical and genetic tests in diagnosing hereditary haemochromatosis; a 12-month audit of HFE genotyping referrals**  
*Ms Maria Flenley, Preston*  
17.25-17.40  
**An audit assessing adherence to trust guideline for phosphate replacement for hypophosphataemic patients in non-critical care wards**  
*Dr Laura Green, Manchester*

17.45-19.00  **Drinks Reception**  
Social Event: Exhibition  
Reception will be held in the exhibition following the day’s scientific programme. Delegates will have the opportunity to peruse the exhibition stands and network with colleagues.

20.00-late  **Focus Fringe**  
Social Event: Jam Jar  
The Focus Fringe will be held in the Jam Jar, the first floor bar at The Yard Bar & Kitchen, St Mary Street. The Yard is situated on the site of an old brewery yard dating back to 1713. The Brains Brewing Company began on this site in 1882.
Tuesday 9th June

Specialist Registrars’ Satellite Meeting

11.00-13.00  Chair: Dr Kate Shipman, Birmingham  PRESELI ROOM

11.00-11.45  Life in the fasting lane; is dieting wishful shrinking?
Management of obesity with particular focus on bariatric surgery
Dr Helen Ashby, Dudley

11.50-12.25  Doing drugs the modern way
Problems with drug analysis and the techniques applied.
Method development; steps and validation
Dr Alex Lawson, Birmingham

12.25-13.00  What do you mean the answer is not 42? See you in court
Legal issues in drug analysis, data interpretation and court etiquette;
challenges for the future
Dr Steve George, Birmingham
### Wednesday 10th June

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Organiser</th>
<th>Chair</th>
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</thead>
<tbody>
<tr>
<td>08.45-10.45</td>
<td><strong>Parallel Sessions</strong></td>
<td><strong>Haematology and Immunology for Biochemists</strong></td>
<td>DONALD GORDON THEATRE</td>
<td>Dr Ian Godber, Airdrie</td>
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<tr>
<td>08.45-09.15</td>
<td>The challenge of diagnosing vitamin B12 deficiency</td>
<td></td>
<td>Dr Dominic Harrington, London</td>
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<tr>
<td>09.15-09.45</td>
<td>Laboratory diagnosis of iron deficiency</td>
<td></td>
<td>Dr Wayne Thomas, Plymouth</td>
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<tr>
<td>09.45-10.15</td>
<td>Erythropoietin: measurement and clinical applications</td>
<td></td>
<td>Dr Joanne Marsden, London</td>
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<tr>
<td>10.15-10.45</td>
<td>Immunodeficiency disorders</td>
<td></td>
<td>Dr Kimberley Gilmour, London</td>
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<tr>
<td>10.45-11.45</td>
<td><strong>Break and Exhibition</strong></td>
<td>EXHIBITION HALL</td>
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<tr>
<td>10.45-11.45</td>
<td><strong>MetBioNet Symposium:</strong></td>
<td><strong>Inherited Muscle Diseases</strong></td>
<td>WESTON STUDIO</td>
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<tr>
<td>08.45-09.15</td>
<td>Investigation of suspected metabolic muscle disease</td>
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<td>Dr Duncan Cole, Cardiff</td>
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<td>09.15-09.45</td>
<td>Mitochondrial muscle disease</td>
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<td>Prof Robert Taylor, Newcastle</td>
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<tr>
<td>09.45-10.15</td>
<td>Muscular dystrophies</td>
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<td>Dr Anirban Majumdar, Bristol</td>
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<tr>
<td>10.15-10.45</td>
<td>Glycogen storage disorders of muscle</td>
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<td>Dr Ros Quinlivan, London</td>
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<tr>
<td>10.45-11.45</td>
<td><strong>Industry Sponsored Workshops</strong></td>
<td>Preseli Room</td>
<td>Immundiagnostik AG</td>
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<td>10.55-11.40</td>
<td>Anti-TNF monitoring in Crohn’s disease and the PANTS Study</td>
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<td>Waters Ltd</td>
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<tr>
<td>10.55-11.40</td>
<td>Mitochondrial muscle disease</td>
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<td>A UNIFI-ed Approach to High Resolution Drug Screening</td>
<td>Mr Nayan Mistry</td>
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<tr>
<td>11.45-12.30</td>
<td><strong>Professors’ Prize Lecture</strong></td>
<td>DONALD GORDON THEATRE</td>
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<td>11.45-12.30</td>
<td>Ethnicity, environment and cardio-metabolic health:</td>
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<td>11.45-12.30</td>
<td>why diabetes is not an equal opportunities disease</td>
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<td>11.45-12.30</td>
<td>Dr Jason Gill, Glasgow</td>
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<td>12.30-14.00</td>
<td><strong>Lunch and Exhibition</strong></td>
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<tr>
<td>13.00-13.50</td>
<td><strong>Lunchtime Debate</strong></td>
<td>WESTON STUDIO</td>
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<tr>
<td>13.00-13.50</td>
<td>‘This house believes that point of care testing in supermarkets</td>
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<td>13.00-13.50</td>
<td>is a great healthcare advance’</td>
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<td>13.00-13.50</td>
<td>Pro: Mr Gilbert Wieringa, Bolton</td>
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<tr>
<td>13.00-13.50</td>
<td>Con: Dr Danielle Freedman, Luton</td>
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</tbody>
</table>
13.00-13.50  Attended Poster Session
EXHIBITION HALL

14.00-14.45  ACB/AACC Transatlantic Lecture
Chair: Dr Gwyn McCreanor, Kettering
Enhancing the value of laboratory test results at the Point of Care
Prof David Koch, Atlanta, USA
DONALD GORDON THEATRE

14.45-15.15  Break and Exhibition
EXHIBITION HALL

15.15-17.15  Parallel Sessions
Point of Care Testing
DONALD GORDON THEATRE
Chair: Dr Graham Bayly, Bristol

15.15-15.45
Holographic biosensors
Dr Jenny Versnel, Cambridge

15.45-16.15
POCT as an enabler of new models of care
Dr Daniel Lasserson, Oxford

16.15-16.45
What POCT does primary care actually want?
Dr Ann Van den Bruel, Oxford

16.45-17.15
POCT and informatics
Prof Jonathan Kay, Oxford

ACB Medal Award
WESTON STUDIO
Chair: Prof Eric Kilpatrick, Hull

15.15-15.35
Identification of therapeutic insulin analogues in human serum by insulin immunocapture LC-MS/MS in a district general hospital
Dr Cerys Mayne, Guildford

15.35-15.55
A novel ‘dilute and shoot’ liquid chromatography-tandem mass spectrometry method for the screening of antihypertensive drugs in urine
Dr Alexander Lawson, Birmingham

15.55-16.15
Accumulation of LDL-C raising SNPs may be responsible for hypercholesterolaemia in FH mutation negative patients
Miss Jennifer Lake, Southend-on-Sea

16.15-16.35
A pilot study to identify genetic factors that may be associated with an increased risk of acute neurovisceral attacks in patients with acute intermittent porphyria
Dr Danja Schulenburg-Brand, Cardiff

16.35-16.55
The biological variation of novel urinary markers (IL-18 and TIMP2) of acute kidney injury in patients with chronic kidney disease
Mr Christopher Parker, Canterbury

16.55-17.15
Clinical utility of reporting 3-methoxytyramine as part of a plasma metanephrines profile
Dr Sarah Pitkin, London

19.30-23.30  Conference Dinner
SOCIAL EVENT: NATIONAL MUSEUM, CARDIFF

The Conference Dinner will be held in the National Museum Cardiff situated in the heart of Cardiff’s elegant civic centre. The Museum opened in 1927 and houses the Welsh national collections of archaeology, geology, natural history and art. There will be an opportunity to view the exhibits as drinks will be served in the Art Gallery.
# Thursday 11th June

<table>
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<td>MALDI TOF mass spectrometry in microbiology</td>
<td>DONALD GORDON THEATRE</td>
<td>Dr Angharad Davies, Swansea</td>
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<tr>
<td>09.30-10.00</td>
<td>Inductively coupled plasma mass spectrometry: bring a little sunshine into your laboratory</td>
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<td>Dr Chris Harrington, Guildford</td>
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<tr>
<td>10.00-10.30</td>
<td>Meeting the challenge of routine screening for legal highs in a clinical toxicology laboratory</td>
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<td>Dr Loretta Ford, Birmingham</td>
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<tr>
<td>10.30-11.00</td>
<td>Mass spectrometric immunoassay</td>
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<td>Mr Lewis Couchman, London</td>
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<td>11.10-11.55</td>
<td><strong>Industry Sponsored Workshop</strong></td>
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<td>11.10-12.00</td>
<td>New Clinical Considerations and Practical Approaches to Managing Patients with Hypercholesterolaemia</td>
<td>PRESELI ROOM</td>
<td><strong>Prof Julian Halcox, Swansea</strong></td>
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<tr>
<td>12.00-12.45</td>
<td><strong>ACB International Lecture</strong></td>
<td>DONALD GORDON THEATRE</td>
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</table>
13.45-15.45  **Recent Advances and Hot Topics Symposium**  
*Chair: Dr Andrew Day, Bristol*

13.45-14.15
Rapid procalcitonin assay in diagnosis and monitoring of sepsis  
*Dr Kordo Saeed, Basingstoke*

14.15-14.45
Molecular allergy diagnostics  
*Dr Stephen Jolles, Cardiff*

14.45-15.15
New lipid guidelines: implications for the laboratory  
*Dr Dermot Neely, Newcastle*

15.15-15.45
High-sensitivity troponin for the early diagnosis of AMI  
*Dr Paul Collinson, London*

15.45-16.00  **Closing Ceremony**  
**Presentation of ACB Medal Award and Poster Prizes**
snippets@Focus

snippets@Focus will give all delegates the opportunity to engage with a wide range of scientific, managerial and work-related topics. The snippets@Focus presentation area is located in the Exhibition Hall. Sessions will take place each day during the breaks and are open to all. The day-to-day schedule is given below.

**Tuesday 9th June**

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<tr>
<th>Time</th>
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<tr>
<td>10.15-10.30</td>
<td>T1 MALDI-TOF in Microbiology</td>
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<tr>
<td>13.30-13.45</td>
<td>T5 Expert Panel Revitalised</td>
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<tr>
<td>15.25-15.40</td>
<td>T6 Clinical Innovation at Cardiff University</td>
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<td>11.00-11.15</td>
<td>W1 Successful Collaboration Through the Health Technology Challenge</td>
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<tr>
<td>11.25-11.40</td>
<td>W2 Zivak Technologies, Driving Your Business</td>
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<tr>
<td>13.05-13.20</td>
<td>W4 Expert Panel Revitalised</td>
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**Thursday 11th June**

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<tr>
<td>13.00-13.15</td>
<td>Th3 Expert Panel Revitalised</td>
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</table>
Tuesday 9th June

10.15-10.30  T1: MALDI-TOF in Microbiology  
Speaker: Mrs Kelly Ward

13.30-13.45  Association for Clinical Biochemistry 
& Laboratory Medicine  
T5: Expert Panel Revitalised  
Speaker: Dr Maurice O’Kane, Chair, ACB Clinical Practice Section

15.25-15.40  Cardiff University  
T6: Clinical Innovation at Cardiff University  
Speaker: Dr Ian Weeks, Cardiff University, Cardiff

Wednesday 10th June

11.00-11.15  Health Science Partnership  
W1: Successful Collaboration Through the Health Technology Challenge  
Speaker: Dr Corinne Squire, South East Wales Academic

11.25-11.40  Zivak Technologies  
W2: Zivak Technologies, Driving Your Business  
Speaker: Mr Mahmut Berdan

13.05-13.20  Association for Clinical Biochemistry 
& Laboratory Medicine  
W4: Expert Panel Revitalised  
Speaker: Dr Robert Hill, Chair, ACB Expert Panel

Thursday 11th June

13.00-13.15  Association for Clinical Biochemistry 
& Laboratory Medicine  
Th3: Expert Panel Revitalised  
Speaker: Dr Robert Hill, Chair, ACB Expert Panel
Patients: the past, present and future focus of laboratory medicine

18 – 21 April 2016

In 2016, Focus will come to Warwickshire – Shakespeare’s county. This will be the first paperless Focus, and the most open and inclusive meeting to date.

ACB Focus 2016 will take place at the University of Warwick, a large, modern campus which is easily reachable by car or public transport. On site accommodation is available for all attendees.

The Warwick Arts Centre is a world class venue with cafés, bars and a cinema. Conference entertainment, including Segway racing, BBQ, a night at the races and dinner with disco, will all take place in the venue – no need for buses!

The ACB Focus 2016 scientific programme, venue information, abstracts and daily updates will all be available in the palm of your hand on the free ACB Focus 2016 App for iPhone, Android and Windows.

www.focus-acb.org.uk
Focus 2016 highlights:

- **Three Parallel Sessions**
  Focus 2016 will include three parallel sessions, including symposia on metabolic medicine, IEM, inflammation, endocrinology of cancer, new technologies, pre-analytics, education, training and management, clinical cases and case-based clinical conundrums.

- **Confirmed Speakers**
  Speakers have already been confirmed on topics such as bariatric surgery, markers of glycaemia, evidence-based automation, social media, communication of abnormal results, research misconduct, pre-analytical indices, rational use of biomarkers for sepsis.

- **And more …**
  There will be much more than just parallel sessions, with breakout sessions including a Café Scientific discussion group, the National School of Healthcare Sciences Meeting, an SpR Satellite Meeting and more.

- **Attended poster sessions**
  Attended poster sessions will include a new ‘Historical Perspectives in Pathology’ poster category with articles on famous individuals, discoveries and landmarks in pathology.

- **An open and inclusive meeting**
  This will be the most open and inclusive Focus to date, offering discounts for trainees and for attendees presenting a poster. We will also be encouraging non-ACB members to attend – from members of the IBMS to medical students, PhD students and post doctoral fellows working in relevant fields.

Facebook: ACB Focus  
Twitter: @ACBFocus
ACB Poster Prizes

Audit

PP1  Primary care measurement of CA125 in symptomatic women: are we doing more harm than good?
DA Hullin, KL Mitchem, P Evans, SJ Davis, C White, Llantrisant

PP2  Introduction of a glucose e-alert system to improve inpatient diabetes care: an audit after one year of the service
S Brady, A Dawsay, London

PP3  An evaluation of the use of serum peanut-specific IgE measurements
SA Bowles, Chester

PP4  From oral glucose tolerance test to HbA1c in the diagnosis of diabetes mellitus: monitoring the impact of change on clinical practice
SA Bowles, MK Langan, Chester

PP5  An audit assessing adherence to trust guideline for phosphate replacement for hypophosphataemic patients in non-critical care wards
L Green, C Reeves, T Morris, K Hayden, Manchester

PP6  The utility of biochemical and genetic tests in diagnosing hereditary haemochromatosis: a 12-month audit of HFE genotyping referrals
MG Flenley, RL Allcock, JM Armer, Preston

Clinical Cases

PP7  Report: lithium therapy: confounding or contributory factor in the diagnosis of a pituitary tumour?
SA Bowles, DL Ewins, Chester

PP8  Ectopic Cushing’s syndrome in a 6 year old girl caused by an ACTH secreting thymic neuroendocrine tumour
OEE Kaye, JH Davies, AE Armston, Southampton

PP9  Not always CAH. Urine steroid profiling in the investigation and diagnosis of adrenal causes of neonatal hyponatraemia and failure to thrive
F Lam, C Matei, G Rumsby, London

PP10  Hypomagnesaemia and PPIs: prevention is better than cure
M Khedr, AS Davison, Liverpool

PP11  The first confirmed UK case of SUCLA 2: a rare but present threat. Very mild unexplained methylmalonic aciduria is the clue
S Agalou, C Gallagher, M Champion, RS Carling, London

PP12  Diagnostic complexities in determining the cause of secondary hyperthyroidism
S Clarke, FA Davidson, M Oldfield, Kingston-upon-Thames
Focus 2015

Posters Tuesday

Diabetes

T1  The relationship between soluble leukocyte receptors, glycaemic status and BMI in diabetes  
M Melhuish, RA Adams, K Morris, T Chinnick, O Okosieme, P Baglioni, N Agarwal, BP Tennant, 
G Sanki, J Geen, Merthyr Tydfil

T2  Development of a laboratory approach to investigate anti-insulin antibody-mediated dysglycaemia in patients with labile diabetes mellitus  
D Church, D Halsall, R Semple, Cambridge

T3  Aspirin prescribing in diabetes: a survey of diabetologists in Northern Ireland  
PK Hamilton, GM Connolly, Belfast

T4  Are cholesterol levels being checked and managed appropriately in primary care type 2 diabetics?  
M Livingston, JC Robinson, E Brown, RP Narayanan, D Holland, AA Fryer, AH Heald, Walsall

T5  Serum concentration of F-actin and gelsolin and the relationship with glycaemic and renal status in a diabetic cohort  
O Gallivan, BP Tennant, M Melhuish, G Sanki, P Baglioni, O Okosieme, N Agarwell, K Morris, 
RA Adams, J Geen, Merthyr Tydfil

T6  Bears defecate in the woods and different measurement systems measure different glycated haemoglobin species  
F MacKenzie, J French, A Robins, Birmingham

T7  The biological variability of 1,5 anhydroglucitol and its clinical implications  
RA Desborough, HJ Cox, P Newland, ES Kilpatrick, Hull

Endocrinology

T8  Performance evaluation of Anti-Mullerian Hormone assay on Cobas e411 (Roche) analyser  
S Betty, VM Lin, S Sharon, SK Sunil, Singapore

T9  Vitamin D demand management initiative  
K Spence, B Roberts, Belfast

T10  Attenuated incretin response in polycystic ovary syndrome  

T11  Diabetes does not affect the reliability of the glucagon stimulation test  
J Cegla, B Jones, L Seyani, M Donaldson, T Tan, London

T12  The effect of lowering the thyrotropin upper reference limit on identification of clinically significant hyperlipidaemia  
R Hawkins, Singapore

T13  Amenorrhea secondary to ovarian Sertoli tumour  
KH Poyser, C Kottonya, Aberystwyth

T14  Dangers of dexamethasone as an anti-emetic  
KH Poyser, Aberystwyth

T15  An audit of insulin and C-peptide requests received by the Peptide Hormones Supraregional Assay Service  
P Bahado-Singh, G Wark, C Livingstone, Guildford

T16  An audit on macroprolactin testing at a regional endocrine centre  
A Ryan, R Holt, AE Armstrong, Southampton

T17  The effect of cortisol assay bias on the overnight dexamethasone suppression test  
R Brixey, S Tennant, BP Tennant, E Palmer, J Geen, F Stratford, N El-Farhan, A Rees, Cardiff

T18  Steroid metabolism in relation to fat distribution and insulin resistance in polycystic ovarian syndrome  

T19  Management of myxoedema coma  
G Sanki, E Palmer, P Taylor, G Das, BP Tennant, J Geen, Merthyr Tydfil

T20  What’s the bigger picture: can a diagnosis be ruled out based on one result?  
J Pethick, P Patel, V Lee, Leicester

T21  Analysis of the relationship between serum sodium and cortisol in a LiMS dataset  
E McLaughlan, JH Barth, Leeds

T22  Assessment of methods for Chromogranin A measurement: comparison of the new Neolisa ELISA and Euria RIA with the withdrawn Dako product  
L Armstrong, G Orr, R Magill, Belfast

T23  Isolated FSH secreting pituitary tumour  
JL Williams, LJ Ward, R Kumar, BS Wassif, Bedford

T24  Endocrine reflexive testing: any benefit is important  
SZ Chaudhry, BG Issa, GS Horasan, Manchester

T25  Clinical utility of reporting 3-methoxytyramine as part of a plasma metanephrines profile  
SL Pitkin, F Lam, S Abhayaratna, SE Baldeweg, A Downay, London

T26  The quest to replace the withdrawn Siemens Coat-A-Count 17-α-hydroxyprogesterone assay  
K Spence, S Irwin, F MacKenzie, Belfast

T27  Development and validation of an LC-MS/MS method for the measurement of serum prednisolone  
EL Walker, K Meenan, T Tan, London

Gut, Nutrition, Trace Elements

T29  Offering calprotectin to primary care: one laboratory’s experience  
J Davies, H Loveridge, A Dhalwal, J O’Rourke, A Milestone, Hereford

T30  Audit on appropriateness of trace element testing in patients on parenteral nutrition  
N Vithanage, S Hoey, S Shah, H Callaby, R Prior, P Dubois, RP Vincent, London
The prevalence of low and very high vitamin B6 (pyridoxal 5'-phosphate) concentrations in hospital patients
MS Critcher, A Sobczynska-Malefora, London

Paediatric reference ranges for faecal calprotectin: a review of current literature and retrospective study of the Bristol population
FA Davidson, RJ Lock, Bristol

A case of lead poisoning from Ayurvedic medicines
KB Raja, PJ Dargan, London

Development of an LC-MS/MS method for simultaneous measurement of vitamins A and E to monitor patients on parenteral nutrition support
E Hinchliffe, J Rudge, P Reed, Salford

Utility of measuring free vs. total anti-infliximab antibodies in assessing clinical response to infliximab in patients with inflammatory bowel disease

Faecal calprotectin to screen out IBS: is it being used correctly?
DJ McKillop, O Reed, JBM Doyle, P Sharpe, SJ Murphy, Craigavon

The increase in morbid obesity and bariatric surgery: an audit of the impact on the laboratory
AS Mallard, Truro

Comparison of Bence Jones protein and free light chain analyses in screening for myeloma in primary care patients
BM Harris, DA Baulch, DJ Powner, SE Moore, Bath

A case of separation anxiety
A Dunne, Tooting

Persistent asymptomatic hyperamylasaemia. Where do we go from here?
I Borovickova, N Bhatt, P Ridgway, Dublin

Reference change values for paraprotein quantitation
R Hawkins, Singapore

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BM Harris, DA Baulch, DJ Powner, SE Moore, Bath

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AS Mallard, Truro

Elevations of alpha-fetoprotein during chemotherapy for pure seminoma
SJ Costelloe, J Spencer, M Purkis, D Thompson, M Bosomworth, JK Joffe, D Stark, Leeds

An audit of implementation of NICE guidelines on ovarian cancer in primary care and to determine the clinical outcomes using the RCPath audit template
A Sharma, Torquay

Approaches to ensure reliable data from plate-array assays in large-scale epidemiological studies
NA Illingworth, S Clark, A Kumar, M Hill, Oxford
T46 Developing an external quality assessment scheme for therapeutic drug monitoring  
F MacKenzie, J French, A Robins, A Lawson, R Marrington, Birmingham

T47 Identification of delayed separation and development of a new rule in the APEX LIMS system  
AR Frank, A Heathcote, SJ Costelloe, Plymouth

T48 Developing an innovative and successful scheme for personalised EQA to cope with an expected order of magnitude growth in numbers which satisfies the demands of the Barnes Pathology Review  
F MacKenzie, J French, A Robins, L Allen, Birmingham

T49 A re-audit of EQA reporting errors and timing of EQA report review  
H Wilshaw, JA Atherton, Liverpool

Molecular Genetics

T50 Novel enterovirulent E. coli from cows conferring R-plasmid mediated resistance to fluoroquinolone antibacterial agents in Benin City Nigeria  
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Participating Companies

Stand 19

Alpha Laboratories Ltd

Join Alpha Laboratories on stand 19 to celebrate our 40th birthday with cake. Alpha Laboratories have a long tradition of working in partnership with clinical laboratories and invite you to discuss the innovative products available for the improved management of patients with digestive disorders. Come and see our patient pathways.

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Stand 28

Association for Clinical Biochemistry & Laboratory Medicine

The Association for Clinical Biochemistry and Laboratory Medicine would like to welcome everybody to Focus 2015 in Cardiff.

The Association’s stand will have a full range of Venture Publications books, CDs and journals, together with a range of AACC books available at a discounted rate. Orders may be placed for any of the publications and be sent to your work or home address, but make further savings by taking the goods away on the day and incur no P&P charges. Member’s ties and pins are also available.

Annals of Clinical Biochemistry - International Journal of Laboratory Medicine

One of the foremost journals in its field, the Annals publishes fully refereed papers of international authorship that contribute to existing knowledge in all fields of clinical biochemistry, especially that pertaining to the understanding, diagnosis and treatment of human disease. It also publishes papers on immunology, genetics, biotechnology, haematology, computing and management where they have both biochemical and clinical relevance. If you have any questions regarding the journal, please call at the ACB stand and talk to a member of the ACB office staff.

Lab Tests Online UK (LTOL-UK)

www.labtestonline.org.uk

Lab Tests Online UK, launched in June 2004, is the first international version of this web resource outside the US. The original website was launched by the AACC in 2001. Since launch, the UK site has grown exponentially. In March 2015 the site received 207K hits, and app downloads reached 11,368. Patients and their carers will find simple explanations and answers to their questions about laboratory tests whether they are from clinical biochemistry, haematology, microbiology, immunology, cytopathology or histopathology.

The site has been endorsed by the Department of Health, features throughout the NHS Atlas of Variation, is recommended by NHS Choices, cited on many hospital Pathology websites and is used regularly by health policy makers. It is described as ‘the single most authoritative source of information about laboratory tests on the web’.

Meet the Committee Representatives

Members of the ACB Executive that act on your behalf will be available on the ACB stand at various
times to answer questions and provide information on any aspect of the Association’s activities and your careers. Officials from the Federation of Clinical Scientists (FCS) will be on hand each day to help you with any queries you have on agenda for change and other work related issues. Please ask at the stand if there is a particular Executive or FCS official that you would like to speak to.

**Further information from:**
Nic Law, ACB Administration Office, 130-132 Tooley Street, London SE1 2TU
Tel: 020 7403 8001   Fax: 020 7403 8006
e-mail: enquiries@acb.org.uk
Website: www.acb.org.uk

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**Stand 12**

**AstraZeneca UK Ltd**

Further information from:
Simon Jenkins, Medical Representative, AstraZeneca SE Wales
Tel: 07767 795076  
e-mail: simon.jenkins@astrazeneca.com

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**Stand 24**

**BD (Becton Dickinson)**

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Tel: 01865 781529   Fax: 01865 717313
e-mail: amelia_jones@bd.com
Website: www.bd.com/uk/

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**Stand 17**

**BIOHIT HealthCare Ltd**

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Further information from:
Graham Johnson, BIOHIT HealthCare Ltd, Pioneer House, Pioneer Business Park, North Road, Ellesmere Port, Cheshire CH65 1AD
Tel: 0151 550 4550   Fax: 0151 550 4551
e-mail: info@biohithealthcare.co.uk
Website: www.biohithealthcare.co.uk
Twitter: @biohithealthuk

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**Stand 4**

**Chromsystems Instruments & Chemicals GmbH**

Chromsystems is a leading global company providing ready-to-use reagent kits and supplies for routine clinical diagnostics by high performance liquid chromatography and tandem mass spectrometry, the latter representing the gold standard for a number of parameters.

Our portfolio includes complete kits as well as controls and calibrators for a highly accurate and cost-effective analysis. Products are comprehensively validated, CE-IVD compliant and enable any laboratory to introduce HPLC and LC-MS/MS methods into their diagnostic routine. We combine these high quality products with an excellent support programme and service for our customers. For more information please visit www.chromsystems.com

Further information from:
Chromsystems Instruments & Chemicals GmbH, Am Haag 12, 82166 Gräfelfing, Germany
Tel: +49 89 18930-0   Fax: +49 89 18930-199
Website: www.chromsystems.com
Stand 20

City Assays, SWBH NHS Trust

Come and see us to discuss your referral test needs. Key on the stand will be:

- Facing the Legal High Challenge: New methods for substance misuse with a 25 test profile including common legal highs. Unreliable immunoassay techniques can be a thing of the past with definitive testing at a fraction of the price. Oral fluid test pack demonstrations.
- Focus on turnaround time and excellent clinical support for a wide range of assays.
- New immunoassay services with excellent pricing.
- Electronic return of results with email-pdf and now National Pathology Exchange (Npex).
- Lunchtime seminars will be held on our stand covering key issues we are facing today.

Further information from:
Raj Garcha, SWBH NHS Trust, City Hospital, Pathology Department, Dudley Road, Birmingham B18 7QH
Tel: 0121 507 5385 Fax: 0121 507 5290
e-mail: rajvindergarcha@nhs.net
Website: www.cityassays.org.uk
Twitter: @Cityassays
YouTube: SWBH Path TV News

Stand 22

DiaSorin UK Ltd

DiaSorin offers innovative immunoassays on the Liaison® and Liaison XL® analysers. With over 100 fully automated assays available, DiaSorin continue to invest heavily in research and development to commercialise new methods for the benefit of diagnostic laboratories.

One of the latest assays to be released is Calprotectin which offers a streamline approach to both sample extraction and random access analysis. This assay provides a very high level of precision and significantly reduces the labour intensity associated with Calprotectin measurement.

DiaSorin personnel will be available to discuss this and all our assays in more detail.

Further information from:
Steve Swanscott, DiaSorin UK Ltd, Central Road, Dartford, Kent DA1 5LR
Tel: 01322 317949 Fax: 01322 317909
e-mail: info@diasorin.ltd.uk
Website: www.diasorin.com

Stand 15

CONWORX Technology GmbH

CONWORX Technology GmbH is the Point of Care specialist for device interface development and database management software.

Our Point of Care data management system POCcelerator™ efficiently meets the daily requirements of laboratories, “hot labs” and clinics in both primary and secondary care.

Meditrac™, the integrated data communicator, guarantees proven connection to over 150 types of POCT devices and offers our customers a greater flexibility in the choice of connected equipment.

In addition to our products, POCcelerator™ and Meditrac™, we also utilise our expertise to provide consultancy and development services to the healthcare industry.

Further information from:
Robert Mayall, CONWORX Technology GmbH, 3rd Floor, 207 Regent Street, London W1B 3HH
Tel: 020 7693 5042 Fax: 020 7693 5043
e-mail: uk@conworx.com
Website: www.conworx.com

Stand 14

Focus 2016

The ACB’s first paperless meeting has landed, with the Local Organising Committee enthusiastic to share all the exciting plans for the next National Meeting. The theme for Focus 2016 is ‘Patients: the past, present and future focus of laboratory’. Don’t miss out on the opportunity to learn more about the thought-provoking scientific programme and well renowned speakers that have already been confirmed. Not to mention the fun social programme all located within the University of Warwick campus. The team will also share information on the special discounts that have been created for Trainees and for attendees presenting a poster. Visit the stand now to pick up a device screen wipe; you will need this at Focus 2016!

Further information from:
Tel: 0141 945 6880
Website: focus2016@meetingmakers.co.uk

Stand 2

Fujifilm UK Ltd

Fujifilm is a pioneer in diagnostic imaging and information systems for healthcare facilities. The FUJI DRI-CHEM (FDC) system based on a multi-layered film method was first launched in 1984. Over 18,000 units have now been installed.
globally with various DRI-CHEM analysers and reagents having been developed to fulfil the increasing demand for automated emergency testing. The FDC system enables fast response times and ease-of-use. The FDC NX500 and FDC 7000 systems are designed for all clinical settings, ranging from routine laboratories, small clinics and are equipped with the unique Plasma Separator function which is ideal for Point of Care Testing.

**Further information from:**
Ben Cole, Business Manager, Fujifilm UK Ltd
Tel: 07741 246 115
e-mail: bcole@fuji.co.uk
Website: www.fujimed.co.uk

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**Stand 21**

**Helena BioSciences**

Helena Biosciences is a leading medical diagnostic company with an international reputation comprising two flagship business divisions that specialise in the design, manufacture and support of clinical electrophoresis and haemostasis systems.

**Further information from:**
Helena Biosciences, Queensway South, Team Valley Trading Estate, Gateshead, Tyne and Wear NE11 0SD
Tel: 0191 482 8440 Fax: 0191 482 8442
Website: www.helena-biosciences.com

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**Stand 18**

**Immunodiagnostic Systems plc (IDS)**

Immunodiagnostic Systems (IDS) is a global diagnostic company specialised in clinical testing solutions for bone, calcium, growth, hypertension, autoimmunity and infectious diseases.

With 50 years IVD manufacturing experience, IDS offers customers world-class assays available on our robust, compact and fully automated immunoassay platform. The IDS-iSYS menu continues to expand to provide new automated immunoassay solutions in our core specialty endocrine testing range, as well as in new areas of testing via specialist development partners.

Visit stand 18 to learn more about our innovative automation solutions and specialty assays.

**Further information from:**
Roman Hines, Immunodiagnostic Systems plc, 10 Didcot Way, Boldon, Tyne and Wear NE35 9PD
Tel: 0191 519 06 60 Fax: 0191 519 07 60
e-mail: info.marketing@idsplc.com
Website: www.idsplc.com

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**Stand 5**

**Menarini Diagnostics**

Menarini Diagnostics will be exhibiting the most complete and comprehensive range of HbA1c analysers currently available.

These include our new HA8180V ion exchange analyser offering fast HbA1c results, the Hb9210 Boronate Affinity analyser for variant free HbA1c analysis and the new HA-8180T ion exchange instrument, offering HbA1c and advanced variant detection.

With our current range of HbA1c analysers we are confident we can meet all your needs.

**Further information from:**
Garry Alderson, Menarini Diagnostics, 405 Wharfedale Road, Winnersh, Wokingham, Berkshire RG41 5RA
Tel: 0118 944 4100 Fax: 0118 944 4111
Website: www.menarinidiag.co.uk

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**Stand 1**

**NHS Wales Health Collaborative**

The National Pathology Programme Board (NPPB) was established in April 2009 to ensure that the integrated approach to service planning and delivery established through the Pathology Modernisation Programme was maintained at both national and local levels. The vision of the programme is to ensure that Pathology services across Wales which are aligned to the NHS Wales strategic direction, delivered to agreed national quality standards, effective, equitable, sustainable and efficient, thus improving patient care and staff morale.

**Further information from:**
Melanie Barker, Programme Management Unit, Churchill House, 17 Churchill Way, Cardiff CF10 2HH
Tel: 02920 503475
e-mail: melanie.barker@wales.nhs.uk
Website: www.wales.nhs.uk/sitesplus/888/page/70342

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**Stand 7**

**Randox Laboratories Ltd**

Randox is committed to developing revolutionary diagnostics, improving health globally and saving lives. Our product range includes clinical chemistry and immunoassay analysers and high quality
reagents. Comprising third party controls, inter-laboratory data management and the world’s largest global EQA scheme the Randox Quality Control package is the most comprehensive available. Biochip Array Technology is a unique multiplexing method offering clinical, research and molecular panels.

Further information from:
Randox Laboratories Ltd, 55 Diamond Road, Crumlin, Co. Antrim BT29 4QY
Tel: 028 9442 2413 Fax: 028 9445 2912
e-mail: marketing@randox.com
Website: www.randox.com
Facebook: www.facebook.com/randoxlabs
Twitter: www.twitter.com/randoxlabs
LinkedIn: www.linkedin.com/company/randox

Stand 23

Schebo Biotech UK Ltd

We are experts in pancreatic elastase – the only company to give you the choice between quantitative ELISA and qualitative rapid test. The ScheBo Pancreatic Elastase-1 Stool Test is the fastest ‘faecal elastase’ test available. Pancreatic exocrine insufficiency is commonly associated with cystic fibrosis and chronic pancreatitis but, importantly, can also occur in several other diseases (including diabetes, coeliac and liver disease).

The ScheBo M2-PK Stool Test brings high sensitivity to colorectal cancer screening, detecting bleeding and non-bleeding tumours and polyps, by ELISA or the M2-PK Quick rapid test. Select the EDTA-plasma test to assist with diagnosis, monitoring therapeutic efficacy or follow-up for relapse/metastasis in many different cancers.

2015 has witnessed the introduction of the new ScheBo Master Quick-Prep device – a ‘universal’ method for all ScheBo Biotech’s faecal ELISA tests.

Faecal lactoferrin is a dependable, economical and highly practical biomarker of gastrointestinal inflammation, for differentiating Irritable Bowel Syndrome (IBS) from Inflammatory Bowel Disease (IBD), monitoring therapy response and detecting disease “flares” in IBD.

Further information from:
Ivor Smith, ScheBo Biotech UK Ltd, PO Box 6359, Basingstoke RG22 4WE
Tel: 01256 477259 Fax: 01256 327889
e-mail: i.smith@schebo.co.uk
Website: www.schebo.co.uk

Stand 16

Sebia (UK) Ltd

Sebia introduces Capillarys 3 – the automated electrophoresis system that offers much more than just protein separation. Designed to meet the needs of diagnostic laboratories using future-proof technology, it allows: high throughput processing, true walk-away automation, full traceability, cap piercing and smart, flexible workflow options.

A variety of sample types can be tested, including serum, urine, whole blood, capillary and dry blood spots. Capillarys 3 is based on Sebia’s proven capillary electrophoresis technology and therefore offers results consistent with existing Capillaries and Minicap instruments. Sebia has 7,000 capillary systems in use worldwide and has recently entered the HbA1C testing market.

Further information from:
Chris Plows, Sebia (UK) Ltd, River Court, The Meadows Business Park, Station Approach, Blackwater, Camberley, Surrey GU17 9AB
Tel: 01276 600636 Fax: 01276 38827
e-mail: sales@sebia.co.uk
Website: www.sebia.co.uk

Stand 27

Tecan UK Ltd

Tecan is a leading provider of laboratory instruments and solutions in biopharmaceuticals, forensics and clinical diagnostics. The company specialises in the development, production and distribution of automated workflow solutions for the life sciences sector.

Further information from:
Tecan UK Ltd, Theale Court, 11-13 High Street, Theale, Reading RG7 5AH
Tel: 0118 930 0300 Fax: 0118 930 5671
e-mail: tecanuk@tecan.com
Website: www.tecan.com
Facebook: www.facebook.com/tecantalk
Twitter: https://twitter.com/Tecan_Talk

Stand 31

Thermo Fisher Scientific

Thermo Fisher Scientific Inc. (NYSE: TMO) is a world leader in serving science, with revenues of $17 billion and approximately 50,000 employees in 50 countries. Our mission is to enable our customers to make the world healthier, cleaner and safer. We help our customers accelerate life sciences research, solve complex analytical
challenges, improve patient diagnostics and increase laboratory productivity. Through our premier brands – Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific and Unity Lab Services – we offer an unmatched combination of innovative technologies, purchasing convenience and comprehensive support. For more information, please visit www.thermofisher.com

Further information from:
Sara Gagliardi, Thermo Fisher, Stafford House, Boundary Way, Hemel Hempstead HP2 7GE
Tel: +39 02 95059 238  Fax: +39 02 95059 256
e-mail: sara.gagliardi@thermofisher.com
Website: www.thermofisher.com

Stand 13
UK NEQAS

The Clinical Chemistry Division within the wider pan-discipline UK NEQAS organisation provides scientifically driven External Quality Assessment over a wide range of both qualitative and quantitative analytes. The services are delivered from specialised centres in hospitals and universities across the UK including Glasgow, Edinburgh, Birmingham and Guildford.

UK NEQAS also offers Interpretative EQA within regular schemes, but also Individual Clinical Comments EQA. Come along and talk to us on the stand. We look forward to seeing you.

Alternatively, the UK NEQAS Central Office will be able to redirect any general enquiries to the right person and centre.

Further information from:
Julie Gelder, UK NEQAS Central Office,
PO Box 401, Sheffield S5 7YZ
Tel: 0114 261 1689  Fax: 0114 261 1049
e-mail: office@ukneqas.org.uk
Website: www.ukneqas.org.uk

Stand 33
Werfen Ltd

Werfen continue to demonstrate a passion and focus on innovative diagnostic assays delivering breakthrough products to its loyal global customers. Our customers are instrumental in our success; we thank you for your commitment and dedication to our future. Please meet with us to discuss the difference our solutions can make to your testing needs, including the random access BIO-FLASH system, testing markers such as TTG and ANA Screening. With time to result only 30 minutes. Visit stand 33 to understand the difference we can make to your hospital’s testing requirements.

Further information from:
Richard Hames, Werfen, Kelvin Close, Birchwood, Warrington WA3 7PB
Tel: 01925 810141  Fax: 01925 826708
e-mail: sales.uk@werfen.com
Website: www.werfen.com

Stand 26
Zivak Technologies

Zivak Technologies is an international specialist company providing ready to use LC-MS/MS and HPLC analysis kits in the clinical diagnostic field. Zivak Technologies also supplies its own fully automated sample preparation and injection system which enables laboratories around the globe to make efficient use of their LC-MS/MS instruments as well as HPLC instruments in a fast, accurate and cost efficient way. Sales and marketing activities are carried out in more than 70 countries either directly by the Headquarter or via distributors.

• Automation of processes in laboratories
• HPLC and LC-MS/MS analysis kits
• Consumables

Further information from:
Tel: +90 212 210 62 15  Fax: +90 212 210 62 14
e-mail: info@zivak.com
Website: www.zivak.com

Stand 6
WEQAS

WEQAS is one of the leading External Quality Assessment (EQA) providers with over 45 years experience in providing Quality Assurance Programmes. The organisation is based in Cardiff and employs a dedicated team of scientists with a wealth of experience in EQA, Reference Method development and Quality Control production.

Our programmes are underpinned by commutable metrological traceable samples, informative reports and a team of experienced scientists and Point of Care (POC) Co-ordinators. The organisation is accredited to ISO 17043 (Proficiency testing [EQA]), ISO 17025 (Calibration and Testing Laboratories) and ISO 15195 (Reference Measurement Laboratories).

Further information from:
WEQAS, Cardiff and Vale University Health Board, Unit 6, Parc Ty Glas, Llanishen, Cardiff CF14 5DU
Tel: 02920 314750  Fax: 02920 314760
Website: www.cardiffandvaleuhb.wales.nhs.uk/laboratory-medicine
FOCUS ON THE PATHOLOGY BUDGET

OR ADD VALUE ACROSS THE WHOLE HEALTHCARE ECOSYSTEM

With just a provider, your diagnostics may never deliver more than test results. At Abbott Diagnostics, we help you deliver on the clinical and financial commitments you’ve made to your whole institution. We analyse the entire hospital system from sample intake to patient outcomes — driving smarter medical and economic decision-making across the continuum of care. And that’s why this is one choice that can transform the decisions you make for every physician and patient in your institution.

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