

## Registration

Delegates should register online at [www.berm12.com](http://www.berm12.com). Payments made before 31 March 2009 will attract a significant discount. The final deadline for registrations is 19 June 2009.

## Venue

The symposium will be held at Keble College, Oxford. Oxford has good road and rail transport links, and can be easily reached from Heathrow, Gatwick, Luton and Birmingham airports.

## Exhibition

Space for a number of exhibition stands is available. Full details can be found on the website at [www.berm12.com](http://www.berm12.com).

## Accommodation

Accommodation for delegates has been arranged in en-suite student rooms at Keble College, to give the full college experience. All accommodation and meals are included in the registration fee.

## Submission of Posters and Presentations

The deadline for submission of abstracts is 13 February 2009, with notification of the acceptance of presentations by 13 March 2009.

Submissions must include the presentation title, authors, organisation/affiliation and an abstract which should be in English with a maximum of 300 words.

A book of abstracts of accepted contributions will be produced and distributed at the meeting, and prizes will be awarded for the best posters.

Full details can be found on the BERM12 website at [www.berm12.com](http://www.berm12.com). Submissions should be sent by email to [berm12@lgc.co.uk](mailto:berm12@lgc.co.uk).

## Overview

The BERM12 symposium will provide an opportunity to address many issues related to the development and use of reference materials. The symposium covers a number of scientific themes:

- Environment and Energy
- Health, medicine and forensics
- Food
- International developments
- QA/QC and the user
- Reference materials: challenges and trends

## Why attend?

The BERM symposia are major, well-established international events providing a unique opportunity to hear and meet with key players from around the world concerned with the development, distribution, accreditation and use of reference materials. The 2009 symposium has focussed sessions devoted to a wide range of chemical and biological applications, generic issues of RM production or use, and future challenges and trends. The programme and venue have been developed to facilitate flexible attendance at lectures, posters or the exhibition and to ensure ample time for informal networking. For 2009, the organisers are particularly keen to hold an event where the users of reference materials can bring their needs and concerns to the attention of producers.

## Who should attend?

This important event should be of direct concern to a wide range of analytical scientists and managers in the food, environment, healthcare, pharmaceutical, chemical and life sciences sectors, as well as national measurement institutes, academic groups and instrument suppliers. The meeting will also enable reference material suppliers, accreditation bodies, legislators and other stakeholders to obtain a broad overview of the current position and new advances in the field. BERM12 is particularly relevant to organisations concerned with:

- delivering traceable, high quality, chemical and biochemical measurements
- the development, production, distribution and accreditation of reference materials
- regulatory compliance dependent on chemical and biochemical measurements

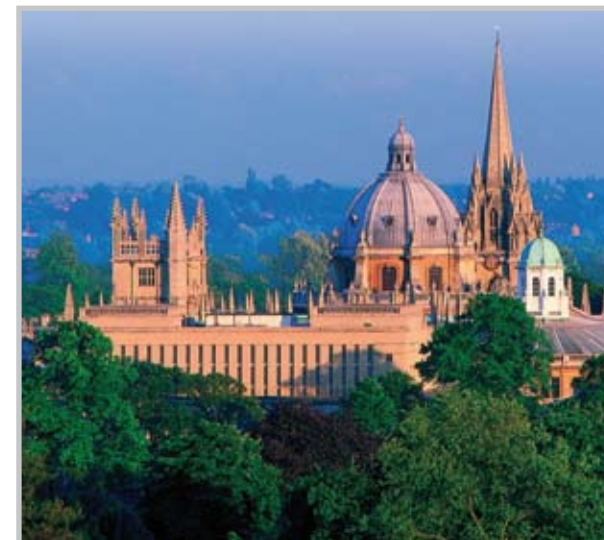
## Supporters

BERM12 is supported by the following organisations:



Keble College, Oxford, UK,  
7-10 July 2009

## 12th Biological and Environmental Reference Materials (BERM) Symposium



## Contact Details

Email: [berm12@lgc.co.uk](mailto:berm12@lgc.co.uk)

Phone: +44 (0) 2089 43 7670

Fax: +44 (0) 2089 43 2767

Website: [www.berm12.com](http://www.berm12.com)

Second Circular

## Provisional symposium programme

### Tuesday 7 July

17:00 – 18:00 Registration  
18:30 – 19:30 Reception  
20:00 Dinner

### Wednesday 8 July

08:00 – 09:00 Registration  
09:00 – 10:30 Plenary Session  
(Chair: Mike Sargent, LGC)

Opening Ceremony  
Introductory addresses from:  
UK Science Minister  
David Richardson (LGC Chief Executive)  
Opening Presentation:  
Expectations and impact of reference materials  
in measurement and testing (*Hendrik Emons, IRMM*)

10:30 -11:00 Coffee  
11:00 - 12:30 Plenary Session  
(Chair: Steve Wise, NIST)

The essential relationship between global metrology and the production of reference materials (*Robert Kaarls, CCQM*)  
Reference materials and accreditation: an international perspective (*Maire Walsh, ILAC*)  
Developments in international standardisation related to reference materials (*Ales Fajgelj, IAEA*)

12:30 – 13:30 Lunch  
13:30 – 15:00 Parallel Sessions

**Session 1:** International metrology and cooperation (Co-chairs: Robert Kaarls, CCQM and Ales Fajgelj, IAEA)

**Session 2:** QA/QC, Proficiency testing and use of reference materials (Co-chairs: Maire Walsh, ILAC and Roger Wood, UK Food Standards Agency)

15:00 -16:30 Tea and Poster Session  
16:30 -18:00 Parallel Sessions (continued)

**Session 3:** International metrology and cooperation  
**Session 4:** QA/QC, Proficiency testing and use of reference materials

18:00 – 19:30 Social Event (Optional)  
20:00 Dinner

### Thursday 9 July

09:00 – 10:30 Plenary Session – Environment and Health (Chair: Hendrik Emons, IRMM)

Biological standards and reference materials (*Adrian Bristow, NIBSC*)

The role of reference materials to aid validation in forensic and clinical DNA analyses (*John Butler, NIST*)

Analysis and fate of pharmaceuticals and their degradation products in water and sludge by LC hybrid MS systems (Q-LIT AND Q-TOF) (*Damià Barceló, IQAB-CSIC*)

10:30 – 11:00 Coffee  
11:00 – 12:30 Parallel Sessions

**Session 5:** Environment and energy (Co-chairs: Scott Willie, NRC-CNRC and Koichi Chiba, NMIJ)

**Session 6:** Health, medicine and forensics (Co-chairs: Adrian Bristow, NIBSC, John Butler, NIST and Mauro Panteghini, IFCC)

12:30 – 13:30 Lunch  
13:30 – 15:00 Parallel Sessions

**Session 7:** Environment

**Session 8:** Health

15:00 – 16:30 Tea and Poster Session  
16:30 – 18:00 Parallel Sessions (continued)

**Session 9:** Environment

**Session 10:** Health

19:00 Symposium Dinner

### Friday 10 July

09:00 – 10:30 Plenary Session – Food and reference material production (Chair: Robert Kaarls, CCQM)

Development and certification of food reference materials (*Steve Wise, NIST*)

Role of reference materials in food regulation and safety (*Roger Wood, UK Food Standards Agency*)

The broader picture – looking backwards and forward to reference materials (*Andrée Lambert, IRMM*)

10:30 – 11:00 Coffee  
11:00 – 12:30 Parallel Sessions

**Session 11:** Food (Co-chairs: Steve Wise, NIST and Fangdi Wu, NIM China)

**Session 12:** Reference materials – challenges and trends (Co-chairs: Ulrich Panne, BAM and Steve Wood, LGC)

12:30 – 13:30 Lunch  
13:30 – 15:30 Parallel Sessions (continued)

**Session 13:** Food

**Session 14:** Reference materials – challenges and trends

15:30 – 16:00 Tea  
16:00 – 17:30 Plenary, Conclusions and BERM 13 (Chair: Mike Sargent, LGC)

Reference materials: looking into the crystal ball (*Ulrich Panne, BAM*)

Poster awards

Overview and conclusions from BERM 12 (*Mike Sargent, LGC*)

17:30 Close