

## Call for Papers

A major part of the meeting will be oral and poster contributions from students and researchers and prizes will be awarded for the best contributions.

Abstracts for oral and poster presentation are now invited. Brief abstracts should be emailed to RSC Events: [events@rsc.org](mailto:events@rsc.org) quoting 'ARF abstract' in the subject line. Please include full contact details and say whether you are submitting an abstract for oral or poster presentation.

A book of abstracts of accepted contributions will be produced and handed out at the meeting. For full details of how to prepare an abstract, please visit the website or contact RSC Events

## Registration

Registration for ARF12 will open online in Winter 2011. Delegates are encouraged to take advantage of the discounted early bird registration fees and book by the 4 May 2012 deadline. Registration closes on 1 June 2012.

**Registration does not include accommodation; delegates should book this directly with Durham University.**

### Registration includes:

- Attendance at the sessions
- Delegate pack including the book of abstracts
- Refreshments throughout the meeting
- Social events including a welcome drinks reception and dinner on Monday 2 July and conference dinner on Tuesday 3 July
- Lunch on Tuesday 3 July

**Fees including VAT are as follows:**

	Early bird (by 4 May)	Standard (by 1 June)
RSC Member	£300	£350
Non-member	£400	£450
RSC Student member	£200	£250
Student non-member	£250	£300

## Bursaries

The Analytical Research Forum is supported by the Analytical Chemistry Trust Fund (ACTF) of the Analytical Division. Traditionally they offer a number of discretionary travel bursaries to students. For more information, please visit the website.

## Accommodation

Delegates can book accommodation at Durham University via a link on the conference registration page. Further details will be available when registration opens.

Cover image credit: Photo-induced CVG for ultrasensitive AFS determination of Hg, *Zheng et al, J Anal At Spectrom*, 2005, **20**(1), 1

# Analytical Research Forum 2012

2 – 4 July 2012

Durham University, UK



The Analytical Research Forum (ARF) is a major event for researchers in Analytical Science and is run by the RSC annually at a location in the United Kingdom or Republic of Ireland. The meeting is aimed primarily towards early career stage analytical scientists (both PhD students and postdoctoral researchers). The invited lectures have been selected to reflect a broad range of research interests, giving attendees exposure to a number of analytical science applications.

## Programme

As in previous years, the programme will:

- Review research in chemical analysis throughout the UK and Ireland
- Include keynote presentations from experts in their field
- Bring together the chemical analysis research community and encourage the development of networks and collaborations between individuals
- Include a satellite workshop on a key analytical topic

### Keynote Speakers

Invited lectures have been selected to present research in areas of topical importance within the theme: **Living Systems and Interfaces**

**Professor John Rogers**

*University of Illinois at Urbana-Champaign, USA*  
"Bioinspired/Biointegrated Electronics"

**Dr Don Jones**

*University of Leicester, UK*  
"Biomarkers"

**Professor Patrick Unwin**

*University of Warwick, UK*  
"Nanoscale electrochemical imaging"

**Professor Simon Herrington**

*University of Dundee, UK*  
"Raman Mapping"

### Scientific Committee

**Dr Ritu Katakya (Chair)**

*Durham University, UK*

**Dr Jackie Mosely**

*Durham University, UK*

**Dr Hendrik Nahler**

*Durham University, UK*

**Professor David Parker**

*Durham University, UK*



### Key Deadlines

Oral abstracts	3 February 2012
Poster abstracts	4 May 2012
Early bird registration	4 May 2012
Standard registration	1 June 2012

### Sponsorship

We would like to thank the Analytical Chemistry Trust Fund for their generous support of this event.

## Awards

The meeting will host the Joseph Black Award winner 2012 and the Ronald Belcher Award winner 2012.

The Joseph Black Award is awarded to a young scientist (under the age of 40), working in any field covering the practice and teaching of the analytical sciences.

The Ronald Belcher Award is awarded for work on an analytical topic by a graduate of a British or Irish University.

For more information on Analytical Division awards please see [www.rsc.org/AnalyticalAwards](http://www.rsc.org/AnalyticalAwards)

## Networking

One of the valuable benefits of attending ARF is the opportunity to network with contemporary researchers whose work covers a wide range of analytical techniques and experience. Networking will take place through both interactive poster sessions and a lively social programme.

## Workshop: Smart and Emerging Techniques in Analytical Sciences:

**Monday 2 July 2012, just prior to the start of ARF12**

**See how you could apply the newest analytical technology to Living Systems**

Don't miss this rare opportunity to explore and understand specialised techniques in which Durham has particular expertise. Enrol in this workshop to see applications of ion-beam analyses, solid state NMR, X-ray crystallography under extreme conditions and cavity ring down spectroscopy demonstrated by experts.

Durham University has a record of excellence in fundamental research at the interface between the sciences. Research institutes such as The Biophysical Science Institute (<http://www.bsi.dur.ac.uk/About/>) and the Durham Centre for Soft Matter (<http://www.dur.ac.uk/soft.matter/>) are dedicated to providing scientific discoveries and technological breakthroughs for application in further research, medicine and biotechnology, as well as driving future wealth creation and industrial and social development. It is within this environment that we provide a workshop preceding the conference.

## Workshop Programme:

### Session 1 - Lectures

1. **Cavity ring-down spectroscopy (CRDS) : Dr Hendrik Nahler**
2. **Diffraction under Extreme Sample Environments: To be arranged**
3. **Solid State NMR: Dr David Apperley**
4. **Applying Ion Beam Analysis to Soft Matter Interfaces: Dr Richard Thompson**

### Session 2 - Laboratory Demonstrations

Delegates will be able to attend three of the four available laboratory demonstrations. The laboratory demonstrations will follow the topics of the lectures.

**Workshop registration fee: £25 – book online when registering for ARF**