

ANALYTICAL MATTERS

ISSUE 17 – AUTUMN EDITION 2020

ONLINE COMMUNITY

EVENTS

Due to the current crisis, many events have been moved online:

JPEG pharmaceutical analysis research awards 2020 – more info [here](#)
17th November 2020

RSC Science Divisions Online Symposia – more info [here](#)
18th Nov -16th Dec 2020

CHEMSCI2020 Leaders in the Field Symposium – more info [here](#)
7th-10th December 2020, online

RSC-TIC2020: Optical Biosensing and Devices – more info [here](#)
15th December 2020

RSC Molecular Spectroscopy Group Online Seminar Series – more info [here](#)
15th December 2020

CPD RESOURCES

Analytical Methods Committee Technical Briefs
Technical information on a wide range of analytical techniques, found [here](#)

RSC online CPD
[Log your continuing professional development](#)

Welcome to the seventeenth issue of Analytical Matters, the e-newsletter of the Analytical Division of the Royal Society of Chemistry (RSC). Analytical Matters aims to showcase the wide range of analytical science activities being run across the Royal Society of Chemistry Analytical Division as well as linking with parts of the UK analytical community beyond our membership.

With the RSC nomination season upon us, I ask you to nominate the amazing analytical scientists you work with or know in your field to make sure they get the recognition they deserve. There are a number of changes to this year's prizes and more details on the categories available can be found within this issue.

Also in this issue, we highlight a range of upcoming Division events, including "Measuring Cancer Earlier: Connecting Cancer Researchers and Analytical Scientists" our collaborative event with Cancer Research UK. We also showcase wider community initiatives including the recent #BlackinChem Twitter event, which aimed to provide space and highlight the work by Black analytical chemists from across the globe.

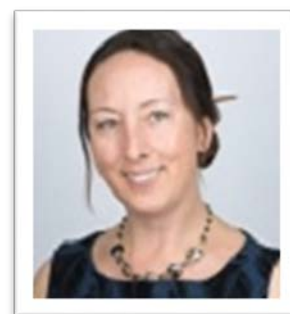
Over the coming months the Analytical Division will be sending out a survey to our community, asking our members how we can best support you as analytical scientists. Our aim is to use this feedback to form our strategy for the next few years to make sure that our membership needs are met and that we continue to strive for improved diversity and inclusion within the analytical sciences, ensuring that no matter where our members are located, in the UK or around the world, in industry or academia, from students to retired members, we are supporting you all. I ask you to keep an eye out for the survey email and participate – it is an opportunity for you to help us help you.

Please send your feedback and any content for the next issue by January 31st by emailing the Editor [here](#).

With my very best wishes – stay safe!

Diane Turner FRSC

President, RSC Analytical Division



NOMINATIONS FOR THE 2021 ANALYTICAL DIVISION PRIZES ARE NOW OPEN

Our prizes celebrate people who are making a positive impact and achieving great things. We are introducing a series of changes to our awards programme for 2021 **including refreshed eligibility criteria, and a brand new category.**

Analytical Division categories open for nomination are:

Research & Innovation Prizes for exceptional people advancing the chemical sciences across industry and academia.

- **Analytical Division early career Award: Joseph Black Award**
- **Analytical Division mid-career Award**
- **Analytical Division open award: Theophilus Redwood Award**

Our new Horizon Prizes celebrate discoveries and innovations that push the boundaries of chemical science:

- **Analytical Division Horizon Prizes: Sir George Stokes Award and Robert Boyle Prize for Analytical Science**

Our Horizon prizes are for teams or collaborations who are opening up new directions and possibilities in their field, through ground-breaking scientific developments.

Other Royal Society of Chemistry categories open for nomination:

Volunteer Recognition Prizes: for those who go above and beyond to form communities and support and inspire others.

Inclusion & Diversity Prize: for people improving access and progression for all in the chemical sciences.

The Royal Society of Chemistry Centenary Prizes, Corday-Morgan Prizes, Harrison-Meldola Memorial Prizes and Interdisciplinary Prizes are also open for nomination.

We have an open nomination system whereby any RSC Member can make a nomination and the judging committee doesn't see who made the nomination.

Who will you nominate? Visit [our website](#) to find out more about this year's prizes.

ANALYTICAL DIVISION NEWS

Analytical Division Eurachem Representative

We are delighted to announce that Chris Harrington FRSC, FRCPath, Principal Clinical Scientist, SAS Trace Element Laboratory, Berkshire and Surrey Pathology Services, has been appointed as the AD Eurachem representative and joins the Analytical Methods Committee. We look forward to working with him.

The Division Council would like to thank outgoing Eurachem Representative, Andrew Damant for his commitment and dedication during his appointment.

Eurachem is a network of organisations in Europe with the objective of establishing a system for the international traceability of chemical measurements and the promotion of good quality practices. It provides a forum for the discussion of common problems and for developing an informed and considered approach to both technical and policy issues.

Analytical Division Council Vacancies

There will be a call for nominations for elected members of Analytical Division Council later this year. Further information to follow.

ANALYTICAL DIVISION EVENTS

Analytical Division Online Symposium – Wednesday 2nd December 2020

The next Royal Society of Chemistry Analytical Division online symposium is taking place on Wednesday 2nd December 2020 from 10.00 – 12.00.

Our keynote speaker, Professor Richard Brown, National Physical Laboratory, UK (2020 Theophilus Redwood Award Winner) will discuss the theoretical and practical aspects of chemical measurement which led to the recent redefinition of the mole. This will also be accompanied by short talks from early career researchers. You will also be able to meet the speakers and participate in informal online networking with colleagues.

Register [here](#).



Measuring Cancer Earlier - Friday 5th February 2021

The Analytical Division and Cancer Research UK are hosting an online workshop and networking event to bring together analytical scientists and cancer researchers to facilitate new collaborations for early cancer detection research.

Our keynote speakers, Professor Sam Janes (UCL) and Professor Molly Stevens (Imperial College London) will give their perspectives on the challenges and opportunities for developing new tools for the early detection of cancer. Dr Dave Carter (Oxford Brookes University) and Professor Bhavik Patel (University of Brighton) will share their experiences on collaborating on an Early Detection Innovation Sandpit Award. The remainder of the programme will focus on workshop discussions and structured networking to enable the communities to connect with each other.

Further information is available on the [webpage](#).

If you would like to attend the workshop and networking event please complete the [expression of interest form](#) by **13 January 2021**

We are currently exploring options to host the Analytical Research Forum and Schools Analyst Competition online – further information to follow.

ANALYTICAL DIVISION REGION EVENTS

12th Scottish Symposium on Environmental Analytical Chemistry - Monday 7th December

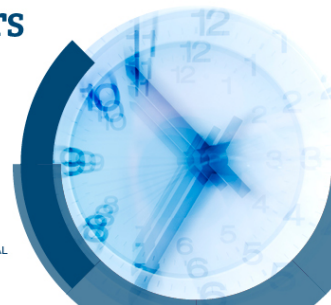
We are pleased to announce the 12th Scottish Symposium on Environmental Analytical Chemistry, to be held via GoToMeeting on Monday 7th December. Oral and Poster presentations are welcomed under the theme of 'Climate, Environment and Analytical Chemistry'.

With the COP26 Climate Discussions due to be held in Glasgow this year, but now delayed, we wish to maintain the momentum of events raising the profile of climate and environmental research that utilises analytical and environmental chemistry. This one-day online symposium is a forum for early-career scientists involved in the development or application of chemical analysis in environmental studies to present their work and meet others in their field, but all are welcome with an interest or expertise in the area.

We hope you will join us to hear from established and up-and-coming names in the field, with our Keynote presentation from Prof Jaime Toney, Professor in Environmental and Climate Science in the School of Geographical and Earth Sciences, and the Director of the Centre of Sustainable Solutions, at the University of Glasgow.

The event will run 10am – 4pm with coffee and lunch breaks, and will be a mix of short talks and flash poster presentations. Please find further details and registration [here](#).

Measuring cancer earlier: Connecting analytical scientists and cancer researchers



RSC ONLINE EVENTS

More online analytical chemistry events, including RSC Desktop Seminars and Interest Group events, can be found on the RSC events webpage: <https://www.rsc.org/events/subject/analytical>

RSC SUPPORT AND FUNDING

You can find detailed support for individuals, researchers, educators and businesses from the Royal Society of Chemistry and other organisations, including the UK Government on their [webpage](#).

Chemists' Community Fund

If current events are having a negative financial impact on you, your partner or dependants – especially if they have led to changes in your regular income – please speak to the Chemists' Community Fund, the benevolent fund for RSC members.

While we recognise that the support we can offer will be limited, we may be able to offer financial support to you and your family as a Royal Society of Chemistry member.

The Fund offers a completely confidential service. Please get in touch by phoning +44 (0)1223 432227, or by ccfund@rsc.org

Please see the [Chemists' Community Fund](#) website for more details and feel free to share this with others in your networks.

Grants for Carers and Assistance Grants

In response to the COVID-19 pandemic, the RSC have extended the purpose of our Grants for Carers and Assistance Grants schemes. Further information is available [here](#).

RSC Outreach Fund

The Outreach Fund remains open and welcome to applications. For further details on applying at this time please visit the [webpage](#).

Inclusion and Diversity Fund

The Inclusion and Diversity Fund provides financial support for innovative products, activities and research projects that will help make the chemical sciences community more inclusive and diverse, including a specific open call to support community-driven project that looks at the needs, challenges and opportunities in support of the Black chemistry community.

Find out more about the Inclusion and Diversity fund and make an application [here](#).

NEW Researcher Development Grants

PhD students and postdoctoral researchers can apply for grants of up to £250 for activities that will help to develop skills for their research career. Examples include (but are not limited to) virtual conference registration, training courses and organising virtual meetings.

The scheme is now open and applications will be reviewed monthly by staff.

For more information or to find out how to apply, see the [Researcher Development Grant webpage](#).



Who we are

Committee of the RSC Analytical Division

Handles matters of technical importance to the Analytical Science Community

Composed of expert working groups

Aims to participate in national and international efforts to establish appropriate quality frameworks for chemical measurements

Works alongside numerous accreditation services and governing bodies such as UKAS

What we do

Produce reports and technical briefs published in the RSC journal Analytical Methods

Freely accessible Technical briefs used towards Continuing Professional Development certification

Assist in development and establishment of suitable performance criteria for methods and instruments

Advice on the use and development of appropriate statistical methods



For more information on the AMC and our Technical Briefs visit www.rsc.org/AMC and follow us at @RSC_AMC

CALL FOR NOMINATIONS - 2021 RSC L S THEOBALD LECTURE

Closing date for nominations is **15 January 2021**

The Lectureship is awarded to someone who has made significant contribution to analytical chemistry in an area of interest to the work of the Analytical Methods Committee (AMC, a committee of the RSC Analytical Division) and its working groups. It is not a requirement that the recipient should be a member of the RSC or have contributed directly to the work of the AMC.

For more information, please visit the L S Theobald Lectureship webpage [here](#).

CPD RESOURCES

Analytical Methods Committee Technical Briefs

Technical Briefs published by the AMC are prepared by experts in the field to highlight recent information on topics of interest to the analytical chemistry community.

Latest Technical Briefs: AMC Technical Brief 98: [X-ray micro computed tomography in cultural heritage](#)

AMC Technical Brief 99: [Units and quantities for analytical chemistry \(background paper\)](#)

For free technical briefs of many topics of interest to the analytical chemistry community, please visit <https://rsc.li/amc-technical-briefs>

All technical briefs can be used towards CPD!

RSC CPD RESOURCES

The Royal Society of Chemistry encourages all members to undertake suitable professional development. One of the ways in which RSC support this is through their approval of training courses, where they approve training courses offered by 3rd party training providers.

A training course has to go through a rigorous peer-review process in order to meet certain criteria and become approved. Each training course is assessed by members that are expert in their field. Our members can be assured that these approved courses have met our high standards. We currently approve over 160 courses across a wide variety of subject areas. These include courses that look to develop technical skills in analytical chemistry, pharmaceutical chemistry, coatings, water treatment, quality assurance as well as many other areas. There is also a range of courses that look to develop professional skills such as leadership skills, project management skills and effective communication.

All RSC approved courses can be found at www.rsc.org/cpd/training, where you can easily browse and search for courses that are of interest.

Chartered Status

Why not work towards [chartered status](#)? The award of chartered status recognises the well-developed skills, knowledge and professionalism of those working within the chemical sciences. They are part of a broader recognition and development framework that includes the professional registers: Registered Science Technician (RSciTech) and Registered Scientist (RSci).

Gaining Chartered Chemist (CChem), Chartered Scientist (CSci), Chartered Environmentalist (CEnv) or Chartered Manager (CMgr) status demonstrates that you have:

- built on your academic achievements and developed professional skills in a work environment
- gained in-depth knowledge and critical awareness of your chosen area of the sciences
- developed strong scientific skills and are committed to improving them
- made a critical contribution to the success of your organisation, business or institution
- shown personal and professional integrity
- committed to developing your career, as well as advancing excellence in the sciences.

COMMUNITY NEWS

EuChemS Division of Analytical Chemistry (DAC) Update - Awards

There is an open call for nominations for DAC awards from all member societies. The three DAC Awards are:

- **Robert Kellner Lecture** to distinguish a person who has made substantial contribution to the advancement of Analytical Chemistry research or education.
- **DAC Award** For sustained contributions to Analytical Chemistry in Europe.
- **DAC Tributes** to honour a person of outstanding merits and long-lasting valuable services for DAC-EuChemS (DAC-FECS)

Further details about the awards can be found [here](#) and the latest EuChemS newsletter can be found on their [website](#).

Measurement for Recovery (M4R) call

NPL and its partner National Measurement Laboratories – NML at LGC, NIBSC, TUV-NEL and NGML – are committed to supporting the UK Government's plans for economic recovery by providing specialist measurement advice and short-term projects to companies at no charge.

The M4R programme is just one of the many ways NPL is supporting the national effort and responding to the COVID-19 crisis.

Further information on the Measurement for Recovery programme can be found [here](#).

EPSRC survey on gender diversity

Following on from the EPSRC's "[Understanding our Portfolio: a Gender Perspective](#)" report, the EPSRC is conducting a '[have your say](#)' survey that will reflect on the report findings and gather views on potential causes for the trends seen including experiences of applying for large grants. The survey findings will help to inform next steps and responses are welcomed from **all researchers** in the EPSRC community.

[Complete the survey](#) by 3rd December 2020.

Share your views on the REF 2021

The survey will remain open until the REF closes for submissions on 31st March 2021 and aims to provide researchers with an opportunity to evaluate the REF process while simultaneously completing their submissions.

Any researcher who is eligible to submit to the REF can [complete the survey](#).

This is an opportunity to help to assess REF policy and to inform its development in the future, so please share with your colleagues.

Analytical Science Network Update



Analytical Science Network
Supporting early career analysts

Due to COVID-19 uncertainty, we have made the difficult decision to postpone our rescheduled Emerging Analytical Professionals conference from February 2021. This will mean no EAP in 2021, but we are hoping to be back with dates booked for 13th-15th May 2022 in Kettering. Registration will open in Autumn 2021.

Subscribe for ASN event updates at <https://www.analyticalsciencenetwork.co.uk/> and follow us on Twitter @ASN_RSC.

Community for Analytical Measurement Science (CAMS) Update



Website: <https://cams-uk.co.uk>
Email: secretariat@cams-uk.co.uk
Twitter: [@CAMS_UK](https://twitter.com/CAMS_UK)
LinkedIn: www.linkedin.com/company/cams-uk

CAMS Conference 2020

On 16-17 Sep 2020 CAMS hosted its inaugural conference and poster completion. Running as live virtual events, we were delighted to see >200 participants join the 4 conference sessions, as well as high levels on engagement on our interactive Jamboards. The Analytical Division was highlighted, with Dr Diane Turner giving a presentation on Analytical Division activities. Congratulations to Sonalika Jain from RSSL who was this year's CAMS Poster Competition Winner! Take a look at Sonalika presenting her poster at <https://vimeo.com/456495356/080de73c70>

CAMS Community

Please follow CAMS social media channels for details of upcoming events such as our recent Analytical Quality by Design Webinar hosted in partnership with the MHRA and Food Authenticity Network on 29 Oct 2020 - www.cams-uk.co.uk, @CAMS_UK and www.linkedin.com/company/cams-uk

CAMS Fellowship Call 2020

CAMS is pleased to announce the recipients of this year's Fellowships - awards funded by the ACTF to assist early career analytical chemists establish a research identity. Congratulations to Dr Brianna Heazlewood, Dr Chiara Giorio, Dr Rachel Schwartz-Narbonne, Dr Natalie Belsey and Dr Michael Baker who start their appointments in the New Year.

A high number of well written and interesting applications were received this year; thank you to everyone who took the time and effort to respond to the call.

#BlackInChem Twitter event

The Analytical Chemistry Trust Fund was one of the sponsors of this event.

#BlackChemistsWeek is an event that caters to the celebration and amplification of Black chemists across the world. Using both social media and Zoom platforms, the week sought out to connect Black chemists and to showcase their research and experiences in the field. All donations were used for payment of our speakers, moderators, judges, IT consultants, in addition to helping fund future events, such as the #BlackInChemJourney series and website.



During the week, there were several initiatives: daily science communication of research interests and division general information, historic Black chemist achievements, and statistics of Black chemist careers, an #Undergrad 101 event to create a space for Black chemistry undergraduates to network and receive advice from the co-founders about getting to graduate school, research opportunities, funding, etc., #BlackInChemWineDown Networking event for Black chemists and allies to connect and discuss important topics that affect Black chemists during their journeys, an elevator speeches competition for undergraduates and early PhD students to present their research for prizes, and a #BlackInChemJourney moderated panel discussion with five (5) PhD chemists to address issues of racism in the chemistry community. Going forward, we are planning to continue our efforts with monthly #BlackInChemWineDowns and consistent #BlackInChemJourney lectures, starting with Dr. Iris Wagstaff on October 24th. #BlackChemistsWeek will also be an annual event, occurring every second week in August.

Review by Devin Swiner

A graphic for the #BlackInChem hashtag. The characters are arranged in a row, each in a colored box with its atomic number above it: # (blue), B (grey, 5), La (red, 57), C (pink, 6), K (yellow, 19), In (dark blue, 49), C (pink, 6), He (purple, 2), m (blue). Below the boxes is a stylized illustration of a blue round-bottom flask with a molecular structure above it.

**Join us for a live Zoom call
discussion on Being #BlackInChem
August 15th at 3 pm (EST)
All are invited to join the discussion.
RSVP at <https://bit.ly/blackinchem>**

Five circular portraits of the speakers and moderators for the event.

Dr. Travis A. White
Assistant Professor
Ohio University
Twitter: @TAWWhiteLabOhioU

Dr. Josephine Eshon
Med Chemist at Amgen
Twitter: @EshonJosephine

Dr. Lauren Hagler
Postdoctoral Scholar
Stanford University
Twitter: @cheerslo

Dr. Kevin M. Ileka
Bristol Myers Squibb
Twitter: @k_ileka

Dr. Abraham Beyene
Lab Head
Howard Hughes Medical Institute
Twitter: @BeyeneAbraham

To view previous issues of Analytical Matters please use the link: <http://rsc.li/analytical-matters>