

News story: Sports groups score £400,000 funding boost to tackle extremism

Building a Stronger Britain Together, the government campaign to support organisations helping to protect their communities from extremism, has today (Friday 22 June) awarded a funding boost to sports community groups.

The organisations, including England Netball, Middlesbrough Football Club Foundation and Southend United Community and Education Trust, will receive a share of £400,000 funding to create year-long sports-based schemes and support people who may be vulnerable to extremism. These range from boxing classes and football workshops to community engagement projects and table tennis sessions.

Baroness Williams, the Minister for Countering Extremism, made the announcement as the BSBT network met at St Andrew's – the home of Birmingham City Football Club – to discuss how their work has helped counter extremists' narratives.

Baroness Williams, Minister for Countering-Extremism, said:

Whether it is cricket, football, netball or boxing, sport is a uniquely powerful way to break down barriers and provide a common platform to unite us all.

The Building a Stronger Britain Together programme is all about strengthening communities so that they can stand against those who seek to divide us with extremist views. We want to create more opportunities to bring people from a wide range of backgrounds together.

Since 2015, the BSBT programme has supported more than 130 organisations, including the EFL Trust and Show Racism the Red Card, for innovative projects to stand up against extremism. It was set up as part of the government's Counter-Extremism Strategy.

The BSBT network includes grassroots campaigns that bring together young people from segregated communities, build resilience to extremism and challenge extremist narratives.

One group to have received funding from BSBT in the past is Lord Taverners, who run Wicketz, a community cricket programme targeting young people aged 8 to 16 living in areas of deprivation.

Abdus Salaam, 18, joined the club in Summer 2016, having struggled with anger management issues after witnessing domestic abuse. He admits that he was

going down a path of violence before joining the club. Now he has become assistant coach for the Luton-based project and backed the further BSBT funding.

Abdus said:

Sport absolutely saved me. Sport kept me off the street and if I was not introduced to Wicketz I don't like to think what road I would be on.

This kind of funding is amazing. It is so important that these vulnerable kids have role models and have a chance to become a good role models themselves. This is what it is all about – spreading these positive messages by word of mouth one person at a time and letting people know there is a different route.

I work with people from all backgrounds and I have learnt that there are good people everywhere.

The full list of groups that received funding are: Brighton Table Tennis Club (Brighton); Centre West, Foundation of Light, Middlesbrough Football Club Foundation (North East); England Netball, Dagenham & Redbridge FC Community Trust; Club Cricket Conference (London); Small Heath Boxing Club (Birmingham); Colchester United Football in the Community (Essex); Southend United Community and Education Trust (Essex).

Further groups receiving funding will be announced in due course.

Press release: Prison Officer of the Year Awards and Probation Awards 2018

The annual Prison Officer of the Year and Probation Awards celebrate those extraordinary individuals who put in the extra dedication, passion and understanding to their jobs to ultimately change lives.

There are 7 categories in both awards, plus a Team of the Year Award and a Lifetime Achievement Award. These all look to reward those with outstanding achievements in areas such as public safety, changing lives, and staff support.

Both the Probation and Prison Officer of the Year Awards were handed out by Rory Stewart, Minister for Prisons, Probation and Sentencing.

The Probation Awards 2018

Anna Whateley from the Bristol team was given the overall title of Probation Champion of the Year on Wednesday. Anna's described as being proactive, diligent and thorough, as well as being patient, kind and compassionate.

She was nominated by her manager for her positive influence to the service, playing an instrumental role in both mentoring new staff and shaping new victims' services in the South West and South Central division.

On winning her award, Anna said:

It feels absolutely amazing. To be a category winner was enough but to be the champion, especially alongside all the other winners tonight? Stunned.

Talking about why he chose Anna, Michael Spurr, HMPPS Chief Executive Officer said:

Anna is an extraordinary victim liaison officer whose compassion and professionalism is inspirational. She goes well beyond what is required and is a champion for probation in all she does.

The category winners were:

- Team of the Year: Hackney Women's Team London CRC
- Lifetime Achievement: Eddie Simon
- Changing Lives: Matthew Smith from NPS Taunton
- Change and Innovation: Angela Oakley from HMP Buckley Hall
- Fairness. Decency and Respect: Megan Key from NPS Midlands
- Supporting Victims: Anna Whateley from NPS Bristol
- Public Safety: Angie from NPS Midlands
- Staff Support: Stacey Johns from NPS Bridgend
- Partnership Working: Angie Powell from HMP Exeter

The Prison Officer of the Year Awards 2018

Keith Potter, Youth Custody Prison Officer HMYOI Feltham was awarded the title of Prison Officer of the Year 2018 on Thursday. Keith was nominated by his line manager Paul Barney, the Head of Offender Management as his services towards rehabilitating young people is unmatched.

Keith runs numerous constructive activities that help young people's rehabilitation and resettlement, such as successfully reintroducing the Duke of Edinburgh Award Scheme at HMP Feltham, extending the [Fire Brigade LiFE course](#) as a ROTL opportunity and has created community partnerships with local football clubs.

Keith has managed to find an effective way to get through to young people helping them to turn their lives around. On winning his award, Keith said:

I'm not sure it's really sunk in yet but it feels great. I've never thought that I was ever doing any more than just my job, so to be recognised for that is really fantastic.

Talking about why he chose Keith, Michael Spurr, HMPPS Chief Executive Officer said:

Keith has done phenomenal work with a huge range of officers to support young people at Feltham, much of it in his own time and all of it with passion and commitment.

The category winners were:

- Team of the Year: Early Days in Custody Team, HMP Woodhill
- Lifetime Achievement: Trevor Lewis from HMP Exeter
- Changing Lives: Donna Taylor from HMP Wormwood Scrubs
- Change and Innovation: Brian Greig from HMP Standford Hill
- Fairness, Decency and Respect: Jim King from HMP/YOI Feltham
- Safety, Security and Care: Rae Carter from HMP Winchester
- Public Safety: Stuart McBride from HMP Swaleside
- Staff Support: Kerrie Stott from HMP Isle of Wight
- Partnership Working: Keith Potter from HM/YOI Feltham

On the awards, Prisons and Probation Minister, Rory Stewart said:

I want to pay tribute to our prison and probation staff for their extraordinary service, commitment, and resilience.

They are true heroes and I have been staggered – day in, day out – by the quality and dedication shown by so many of our staff.

These awards give us the opportunity to reflect on their contribution, and to recognise those individual staff who have gone above and beyond. They are true role models, and show the impact staff can have in helping offenders turn their lives around, thereby reducing reoffending and protecting the public.

Michael Spurr, Chief Executive of HMPPS said:

The staff working in our prisons do vitally important work every day but it often goes unseen so these awards are the perfect opportunity to recognise this work and to say thank you.

Our nominees represent the best of a service where professionals are dedicated to changing lives and making their communities safer.

I feel privileged to lead the service and I am extremely proud of the work our finalists are doing.

HMPPS awards are an opportunity to celebrate success, share best practice and shine a light on the great work being done across England and Wales in the prison and probation services.

Working with offenders in prison and in the community presents daily challenges but it is a vital public service with great opportunities to make a difference and to prevent victims and better protect the public.

Notes to editors

The Probation Awards took place on Wednesday 20 June 2018 and the Prison Officer of The Year Awards took place on Thursday 21 June 2018.

News story: GC at international conference on food fraud and allergen management

[Michael Walker](#) represented the Government Chemist at the second [MoniQA](#) conference on food fraud and allergen management, in Vienna on 7 and 8 June 2018.

Michael attended a MoniQA allergen task group meeting, gave a talk entitled 'Honey authenticity: when official controls are questioned', and took part in a panel discussion on food authenticity.

The conference attracted 77 delegates representing all aspects of the agrifood sector and was organised by Roland Poms, Secretary General, MoniQA Association, Austria, and his team along with Richard Cantrill, President, MoniQA Association, Canada. Roland and Richard welcomed the delegates and introduced the conference which had an exciting programme of talks mixing cutting edge science with examples of litigation and enforcement. Strategies and methods for detecting and combating food fraud were presented as well as discussion of food allergy and coeliac condition, including precautionary allergen labelling, 'free from...', thresholds, laboratory accuracy and class action litigation.

The speakers represented the United Nation's FAO/IAEA, IFS, LGC, USP, MoniQA, as well as industry including Nestlé, SQTS (Swiss Quality Testing Services),

Imprint Analytics, law firms and food research institutions, regulators, academics and nongovernmental organizations.

The [book of abstracts](#) has been published as volume 10, supplement 1, in the journal 'Quality Assurance and Safety of crops and foods'.

Two awards for best poster at the conference were made with the researchers giving short talks on their work. Patricia Galan-Malo presented 'Survey on the occurrence of allergens on food-contact surfaces from school canteen kitchens' and Andreas Zitek presented 'Determination of origin and authenticity of fish by elemental and Sr-isotopic fingerprints'.

Finally Richard Cantrill and Roland Poms gave feedback on the two MoniQA Task Force workshops on (a) Food Fraud Prevention and Authenticity, and (b) on Food Allergen Reference Materials. The next task force meetings will be in Toronto at an AOAC allergen meeting in August 2019. The next MoniQA conference will occur in latter half of 2019.

There is a summary of each talk on this page or they can be also accessed on this document [Summary of MoniQA conference, Vienna 7 and 8 June 2018](#) (PDF, 538KB, 6 pages)

Day 1

Keynote speech: The global perspective of food fraud

The keynote speaker was Andrew Cannavan, Laboratory Head, Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, International Atomic Energy Agency, United Nations, Austria. Andrew discussed the global perspective of food fraud and a 'systems' approach to dealing with it. His examples were drawn from his Division's international research projects and capacity building in the developing world. The focus of the projects is mainly on the development and application of analytical methods for food authenticity to underpin traceability, increase confidence that food commodities reaching local consumers, and those destined for international trade, are safe and authentic. Andrew's conclusions included that positive criteria for enforcement leads to good analytical methods, and he advocated using the simplest methods that are fit for purpose and validated alongside advanced confirmatory techniques.

Food authenticity from an industry perspective

John O'Brian, Deputy Head, Nestlé Research Centre, Switzerland, gave some key insights on food authenticity from an industry perspective. He highlighted challenges such as 'free from', 'natural', alternative proteins, new technologies, lab grown meat, 'grass-fed', and packaging reduction. All stakeholders need to recognise many of these are pre-competitive issues. Systemic vulnerability analysis, targeted audits, and early warning tools are now in use in both the private and public sectors to detect and to manage food fraud risks. Some facilities are employing sophisticated analytical tools to distinguish between 'normal' and 'abnormal' fingerprints which enable follow up action on a targeted basis. Such approaches have been shown

to assist greatly in early management of issues affording greater consumer protection. However, there remain gaps in global coverage and in consistency of use of such tools.

Food Profiling: the value to assure food authenticity rather than to investigate for food fraud – experiences from the Swiss market

Building on John O'Brian's talk, Thomas Gude, Deputy Head, SQTS, Switzerland, discussed the value of food profiling to assure food authenticity rather than to investigate for food fraud. Food profiling is a systematic approach applying targeted and non-targeted analysis with modern high-resolution mass spectrometry. This is a promising area that needs much more work and international collaboration. Thomas illustrated his concepts with food contact materials and where analysis is for known targets (additives) and non-targets, such as NIAS – non-intentionally added substances.

Assuring food authenticity – a standards developer's perspective

Steven Gendel, Senior Science Manager – Food, United States Pharmacopeia (USP), speaking on assuring food authenticity from a standards developer's perspective noted that assuring food authenticity is a complex problem that includes the need for information integrity and communication. Consumers expect foods to contain all of the constituents that should be present, to not contain anything inappropriate or harmful, and to have accurate and complete labels. These same expectations apply to all the participants in the supply chain. For industry, authenticity starts with the ingredient. Thus ingredient standards and reference materials are needed along with identity procedures, acceptance criteria, and technically rigorous methods.

Stephen described with examples how these requirements are met by the Food Chemicals Codex. His final message was that future standards will need to address complex ingredients where composition can vary depending on environmental, agricultural, and other unpredictable factors. This will create a need to share information such as sets of spectra that are not amenable to publication as traditional documents. These changes mean that standards development organizations, and the food industry, will need to develop a new understanding of what constitutes an ingredient standard, of how to ensure data integrity, and of how to communicate and use these new standards along the supply chain.

Honey authenticity: when official controls are questioned

Michael Walker, Laboratory of the Government Chemist, UK, discussed honey authenticity, in particular when official controls are questioned. Michael described a series of food fraud cases involving honey in the U.S., China, New Zealand and Denmark. There are many means of adulterating honey, including the addition of cheap sugars and syrups after collection from hives, overfeeding bees with saccharides or invert derivatives and the falsification of the floral or geographical origin.

In the face of media reports that more mānuka honey is sold worldwide than is produced in New Zealand, a set of high level characteristics for mānuka-type

honey were developed which Michael reviewed and critiqued. He described the European Commission control plan on honey in which over 2,000 samples of honey were collected, some 20 % of which were non-compliant with authenticity criteria.

Honey authentication requires a multifaceted approach which can be costly and time consuming. As well as classical analysis $\delta^{13}\text{C}$ EA/LC-IRMS is required. But is this sufficient? Nuclear Magnetic Resonance (NMR) can provide quantitative data and molecular structural information on key components in honey with little sample preparation and over the last five years a small but significant literature has emerged on this approach. However, in 2015 the UK Food Standards Agency wrote to UK enforcement authorities to state ‘... ^1H NMR ...screening method gives indicative results and does not definitively prove that added sugar is present ... no enforcement action should be taken in relation to the NMR results alone with regards to added sugar at the present time ...’. The reasons for this were examined along with the outcomes of the 2018 European Commission Joint Research Centre Technical Round Table on Honey Authentication.

Lawyers perspective: how technologies and blockchain could be used to mitigate the risk of lawsuits and recalls

Cesare Varallo, Vice President – Business and Regulatory Affairs EU, INSCATECH, Italy, gave a lawyer’s perspective on how technologies and blockchain could be used to mitigate the risk of lawsuits and recalls. His presentation examined some of the most recent developments and application of artificial intelligence, the internet of things and blockchain in the food supply chain. These technologies must be properly understood, before being applied: benefits and vulnerabilities should be carefully considered. For example, systems’ interoperability cannot be ignored but such technologies can contribute to strengthening the supply chain and the quality of the data especially in the face of litigation.

The U.S. response to food fraud: FSMA, litigation, and the national organic program

Litigation was again the theme taken up by Riëtte van Laack, Director, Hyman, Phelps, & McNamara, P.C., USA. With a PhD in food science and law qualifications Riëtte was well placed to discuss the U.S. response to food fraud: FSMA, litigation, and the national organic program.

Although the U.S. Food and Drug Administration’s regulations implementing the Food Safety and Modernization Act specifically mention food fraud, they address food fraud only to the extent that the fraud is a safety concern. Compositional standards help prevent and combat fraud to the extent that such standards can be verified.

However, frequently, standards cannot be verified by testing alone. In the United States, private litigation by competitors and consumers is used frequently to combat alleged fraud. Competitors know the market and more easily recognize circumstances of possible fraud. Consumer protection

organizations can highlight potential fraud situations. In addition, many state laws provide for monetary recovery in consumer class actions for food fraud. Examples of food fraud litigation include lawsuits regarding pomegranate products and cases regarding extra virgin olive oil. In some cases, private litigation has resulted in the development of standards, either by independent third parties or by federal agencies.

The failure of analytical tests

Riëtte went on in a second talk to discuss the failure of analytical tests. Fraud is often committed with the knowledge of what companies generally test for. For analytical testing to be useful in detecting fraud, at least three requirements must be met: (1) A clearly defined standard related to the chemical composition of the authentic product has been established; (2) There is a known compositional difference between the authentic and fraudulent food; and (3) The analytical test must be validated. Riëtte illustrated the failure of testing in litigation by the New York Attorney General against retailers that were accused of selling herbal dietary supplements allegedly not containing what they were represented to contain. DNA testing of these supplements allegedly revealed absence of the labelled botanical substance. However, investigators had failed to consider that the extraction processes applied to botanicals could have removed or destroyed genetic material.

Day 1 of the conference concluded with a panel discussion on interpreting legal limits in the context of laboratory data. Moderated by Richard Cantrill, Cesare Varallo, John O'Brian, Michael Walker, Riëtte van Laack, Thomas Gude and Steven Gendel discussed the value of data in litigation and disputes with lively input from the audience.

Day 2

IFS Strategies of quality management system against food fraud – the new IFS Food section on food fraud in certification

Day two of the conference began with Beatriz Torres Carrió, Senior Quality Assurance Manager, International Featured Standards (IFS), Germany, who gave an informative talk on IFS strategies of quality management against food fraud and new IFS certification. Much of the IFS documentation is freely available on their website.

Food authenticity and traceability testing: analytical tools in good practice and future trends – forensic science and digital era by a scientific point of view

David Psomiadis, Head of Laboratory, Imprint Analytics, Austria, discussed forensic science and digital techniques in food authenticity and traceability testing. He illustrated analytical tools, good practice and future trends with several interesting examples. These included isotope analysis (LC/EA-IRMS) of 'coconut water' for added sugar, detection of synthetic vanillin, and fruit juice origin.

Targeted vs non-targeted methods – opportunities and challenges

Steven Gendel returned to the podium to talk on opportunities and challenges in targeted vs non-targeted methods. Unlike microbial hazards, chemical hazards in foods cannot usually be controlled by processing. This means that control of chemical hazards in a prevention-based food safety system is focused on the supply chain. Dilution is a poor solution and may be illegal. The food industry is turning to the use of non-targeted methods to characterize foods or ingredients. The advantage of well-designed non-targeted methods is that they can indicate whether a particular sample is 'out of range' without needing to know why. The disadvantage of these methods is that they require a great deal of data to determine the expected 'range' under a variety of growing, harvesting, and handling practices. In addition, each sample test can generate significantly more data than presence-absence or threshold-based tests. The volumes of data involved and the need for standards on how to generate and use these data present unique challenges and opportunities for standard development organizations and for food manufacturers. Steven then led a discussion on the acceptability of untargeted analysis and the acceptance of the results by industry, regulators and standard setters.

Method validation and reference materials to assure the reliability of analytical results

Roland Poms, Secretary General, MoniQA Association, Austria, then described method validation and reference materials to assure the reliability of analytical results. There is always a need for laboratories to be able to demonstrate that their methods are fit for purpose in their hands, give equivalent results to the reference method and can be viewed with confidence by the customer.

The requirements for the quality of an analytical method are best assessed in a validation study that usually involves some 8-16 laboratories to offer at least 8 valid results for statistical analysis. Parameters assessed include limit of detection, limit of quantitation, repeatability and reproducibility (variability of results within and between laboratories), accuracy, specificity, and false positives or negatives. Additional information that can be drawn from a validation study concerns robustness, the acceptability and the handling of the method in the hands of different operators, and the possible to be identified influences on the results in a routine setting.

Necessary steps towards assuring the reliability of analytical results in any laboratory are the preferred use of validated methods, the use of reference materials if available, method verification and participation in proficiency tests, training, considering the requirements for laboratory accreditation and following Good Laboratory Practice. Reliable analytical results are the basis for appropriate decision-making processes concerning product safety and adequate food safety management measures.

AOAC standard method performance requirements (SMPR) for allergen detection methods

Samuel Godefroy, Professor of Food Risk Analysis and Regulatory Systems, Food Security, Laval University, Canada described the Association of Official Analytical Communities (AOAC INTERNATIONAL) standard method performance requirements (SMPR) for allergen detection methods. Samuel described how analytical methods are part of the Codex regulatory provision – they don't exist in isolation but to support a Codex standard. SMPRs for food allergen methods using ELISA-based techniques describe the minimum recommended performance characteristics to be used during the evaluation of a method. SMPRs for egg and milk are available and those for tree nuts will be relying upon the ability of the food allergen community to develop agreed-upon reference materials for the selected tree-nut(s) of priority.

Precautionary allergen labelling: do we address the needs of the allergic consumer?

Karin Hoffmann-Sommergruber, Group Leader, Department of Pathophysiology and Allergy Research, Medical University of Vienna, Austria, spoke on precautionary allergen labelling. Karin described the majority of allergic reactions involve skin, respiratory, gastrointestinal and systemic (anaphylaxis) effects respectively.

Legislative and Precautionary Allergen Labelling, PAL, (which is voluntary) were described with the disadvantages of the latter explored. Probabilistic allergen risk management was discussed along with thresholds of elicitation. Unfortunately allergic consumers often assume PAL is regulated. Karin described how PAL is approached by various countries and recommended PAL should only be used if cross contamination is unavoidable and represents a real risk.

Free-from foods – what does it mean for allergens?

Clare Mills, Professor of Biological Sciences, Division of Infection, Immunity and Respiratory Medicine, University of Manchester, UK, delivered her talk, 'Free-from foods – what does it mean for allergens?' via Skype, which worked well. There is currently no consensus as to what constitutes a 'free-from' food with regards IgE-mediated food allergies. Regulators and food manufacturers alike have to rely on analytical testing to demonstrate the absence of an allergen in a food product.

The lack of agreed reference doses which are considered safe for the majority of allergic consumers means it is unclear how sensitive test methods need to be, although dose distribution modelling can provide guidance with regards the levels of allergens that are unlikely to cause a reaction.

Inter-laboratory comparisons of immunoassay test methods for foods such as milk, egg and peanut have shown wide variations in test method performance regarding sensitivity and reproducibility of results. This leaves the possibility that manufacturers and enforcement bodies may obtain conflicting

test results. The development of appropriate certified reference materials for allergen analysis can be used to help reconcile some of these differences, especially for test methods showing reproducible and consistent differences. Mass spectrometry (MS) methods have much to offer as a complementary, confirmatory method to the currently favoured immunoassay test methods. Clare described the iFAAM multi-centre study using a MS method for determination of peanut in chocolate dessert. The trial showed significant divergence in the ability of ELISA tests to quantify peanut allergens and demonstrated that MS has the potential to detect and quantify peanut protein at similar levels to ELISA. Identified gaps will be taken forward in the recently EFSA-funded project ThRAAll.

Improved reference materials for gluten analysis

Katherina Scherf, Research Group Leader, Leibniz-LSB, Technical University Munich, Germany, followed with a well thought out presentation on improved reference materials for gluten analysis. Katherina described the standards for gluten-free products and the difficulties of gluten analysis.

Well-characterized reference materials are essential to help address these challenges and Katherina summarised a considerable amount of work carried out by an international consortium of which she is a leading participant. This has resulted in identification of wheat cultivars that are representative for the multitude of wheats grown worldwide. Selection criteria for representative wheat cultivars as basis for the development of a new reference material for gluten(-free) analysis were defined.

Grains of wheat cultivars from different geographical origins were collected, milled into white flours and characterized for chemical composition, wet and dry gluten content, ELISA response using two different antibodies and protein composition assessed by gel-permeation and reversed-phase high performance liquid chromatography and polyacrylamide gel electrophoresis. Based on the results, qualitative and quantitative selection criteria were defined and five wheat cultivars from four continents were selected. These cultivars were further investigated, and two reference materials are suitable: the single cultivar Carberry and the blend of the five cultivars.

iFAAM: new tools for allergen risk assessment and management

Rene Crevel, Director at René Crevel Consulting Limited, UK, formerly of Unilever, gave a cogent overview of new tools for allergen risk assessment and management arising from the the iFAAM project (Integrated Approaches to Food Allergy and Allergen risk Management).

The project team developed an allergen tracking tool, together with a tiered risk assessment (RA) approach. The tools and their application were thoroughly described. Tier 1 is based on point estimates and is designed to be used by those without deep expertise in the allergen field, but they do need sufficient knowledge of their own processes. The RA is conservative hence not likely to make an unwise assessment. Tier 2 RA is built on previous models, and uses distributions of minimum eliciting doses, food consumption data and unintended allergen concentrations combined with advanced statistics

and modelling. Tier 1 will be freely available. Tier 2 will not be publicly available in part owing to the level of expertise required to use it.

René also described the iFAAM risk management toolbox, an extension to the tracking tool. RM options were collected and collated and a decision tree approach developed. iFAAM finished in 2017 and the tools will be available on the website. Currently iFAAM are looking at a governance structure for the website dissemination of the tools to ensure continuing relevance. The information can also be accessed via the MoniQA website.

Consumer analytical devices: benefits and challenges

Bert Popping, Managing Director and Co-owner, FOCOS, Germany then discussed the benefits and challenges of consumer analytical devices. Against a backdrop of growing distrust of food in some quarters can point of use devices help, especially for people with food allergies? Available, and affordable, in the U.S. they have given rise to a number of issues. These include sampling, misinterpretation of instructions and outputs and specificity. Bert described 2018.AOAC stakeholders' guidance document for consumer analytical devices with a focus on gluten and food allergens published in Journal of AOAC International, 101(1), pp.185-189.

Socio-economical aspects of food allergens

Ronald Niemeijer, Director Global Marketing Food & Feed Analysis, R-Biopharm, Germany, next discussed socio-economical aspects of food allergens. Ronald reviewed the burdens on people with allergy and autoimmune conditions and their prevalence. He discussed the provision of 'free-from' food on their behalf. 'Free-from' is a growing business opportunity but means increased production costs, logistic separation of ingredients, dedicated facilities or lines, or much stricter cleaning. Management and testing costs are higher. Ronald concluded with a review of current and potential future tools in allergen management and food allergen testing.

Allergen analysis: customer solution case studies

Adrian Rogers, Senior Research Scientist, Romer Labs UK, UK, discussed allergen analysis and three case studies which demonstrated how particular challenges faced by different users were overcome to make sure that immunoassay-based testing for food allergens best suited their needs. These were (1) an intensive validation programme of an ELISA for peanut in confectionery after the kit the customer had previously been using was withdrawn, (2) a study of casein determination in hydrolysed whey based baby formula milk and (3) findings of almond and peanut in a spice/seasoning sample where different kits gave different results.

For more information about what the Government Chemist does, do contact us:

News story: ESFA apprenticeship service – UK leader of digital transformation, after winning Digital Leader 2018 award

The awards were attended by digital leaders, influencers and innovators from across the UK, to celebrate pioneering digital achievements last year.

To win the award we competed with other public sector organisations across the UK including the NHS, DWP, DVLA and Glasgow City Council, to show how the service's innovative delivery approach during the last year, has seen measurable impacts and outcomes at scale. This secured our place on the [DL100 list](#).

The DL100 list was put to the public vote in April, to select the winners of each [category](#). The winners were announced at an awards ceremony held last night in London.

Eileen Milner quote:

"We are delighted to win this prestigious award, which recognises the hard work and determination of the apprenticeship service team, in putting the users (employers), for the first time, at the heart of our digital-led delivery.

During the past year over 13,000 employers have taken control of their apprenticeship funds through the [apprenticeship service](#), and it has supported half a million apprenticeship candidates and over 1.6 million applications.

We continue to evolve and develop the service as we learn from users, adding new features to enhance the service experience.

It's a real privilege to have won this award, getting recognition for the work that has gone into launching and developing the service."

Follow us on Twitter @ESFAdigital and read our [blog](#).

News story: Green Finance Institute and Financial Services Skills

Taskforce unveiled

A new Green Finance Institute and an industry-led Financial Services Skills Taskforce were announced by the Chancellor last night (21 June 2018) as part of his vision for the future of the UK's world-leading financial services sector.

In his annual [Mansion House speech](#), the Chancellor set out how the UK will harness emerging technologies and global markets, and ensure a wealth of talent for the financial sector, securing its future post-Brexit.

Skills Taskforce

To ensure the sector continues to have access to the future talent it needs, and the skills required to shape the innovative markets of the future, a new industry-led Financial Services Skills Taskforce will be established, chaired by Mark Hoban, former City Minister.

In his speech, the Chancellor said:

...we will need to ensure that – in addition to access to international talent – the UK has a long-term pipeline of domestic skills to meet this transformation.

To harness the brightest young minds of today to meet the needs of the financial sector of the future.

So tonight I am pleased to announce the creation of a new industry-led Financial Services Skills Taskforce

[...]

To understand and respond to changes in the shape of financial services.

To ensure we meet the long-term skills needs of the sector over the coming decades.

And creating opportunities for the next generation.

Commenting on the new Taskforce, Mark Hoban said:

Establishing a Skills Taskforce to focus on the needs of our world-leading industry is a vital step to ensuring its long-term success. The future of this industry is dependent on its ability to attract and retain the best people. It is consistently the number one issue raised by industry leaders. By assessing now what skills are needed

for the future we can put in place the right measures today to make sure our education system can deliver the skills we need tomorrow.

Green Finance Institute

Emphasising how the UK's new internationalist approach could benefit the world, not just the UK economy, the government will also fund a new Green Finance Institute, together with the City of London Corporation, to champion sustainable finance in the UK and abroad.

In his speech, the Chancellor said:

The UK is already leading the charge in this market – with nearly 80 green bonds raising more than \$24 billion across seven currencies.

But if we are collectively to meet our global climate goals, we will need to mobilise \$90 trillion by 2030.

And it is my ambition that the UK leads the world in financing this investment.

So tonight I can announce we are establishing a new Green Finance Institute here in London, jointly funded by government and the City of London.

So that firms from across the world can access our one-stop-shop for world-leading climate science, and for capital.

Here in the UK – the home to the markets of the future.

Commenting on the new Institute, Catherine McGuinness, Policy Chairman of the City of London Corporation said:

I'm delighted that the Treasury is partnering with the City of London Corporation to set up a Green Finance Institute.

This will bring together the UK's existing capabilities, create new business opportunities, and communicate to the wider market what London's offer is in green finance and insurance.

Promoting this is not only good for business, but is good for the world; helping tackle one of our greatest challenges – global warming.

London is already a world leader in green finance, and this institute, a key recommendation of the Green Finance Taskforce, will ensure we remain so for years to come.

Further Information

Financial Services Skills Taskforce

- The new Taskforce will assess the financial sector's long-term needs in order to ensure domestic skills match employer needs and the UK's financial services skills base remains world leading.
- The terms of reference and meeting dates of the Taskforce will be determined by the Chair and Secretariat in due course.

Green Finance Institute

- In March, the Green Finance Taskforce published a set of recommendations to the government and industry. The first of these was to establish an Institute to develop the UK's Green Finance market. It will also play a vital role in our international engagement on financial services, especially in emerging markets where green finance demands are growing rapidly.
- The Global Commission on the Economy and Climate Change estimates around \$93 trillion of global infrastructure investment between 2015 and 2030 will need to be green in order to meet climate change commitments. The green bond market grew by 78% between 2016 to 2017, to \$155 billion in green bond issuances.
- The London Stock Exchange is currently home to 78 green bonds which have raised over \$24.5 billion.