

## NEWSLETTER

### WORD FROM THE CHAIR

Being the chairperson of a professional body involves a range of activities from chairing meetings, developing partnerships and promoting pharmaceutical science. However, the real highlight is being able to see the fruits of your labour in action and for me it was an absolute pleasure to be present at the APS PharmSci event in Belfast. This event had energy, excellent science and was fun – exactly as I had hoped!

Beyond the face to face annual meeting the APS was present at Making Pharma Ireland where members of the Emerging Technologies Focus Group hosted a session. The Emerging Focus Group also have a series of webinars which have been excellent and provided an opportunity to hear from experts and emerging scientists in a range of topics.

The APS is currently planning for 2023 with more webinars and face to face events that I hope to share in the near future.



**Professor Hannah Batchelor**  
APS Chair

### PHARMSCI 2022

The 13th APS PharmSci International Conference was held in Belfast between the 7th and 9th September at the city's landmark Europa Hotel. The event, the first face-to-face APS meeting since Greenwich in 2019 attracted 365 delegates of more than 20 nationalities.

Plenary lectures were delivered by Claire Thompson, Helen McCarthy and Mark McAllister, while the APS presented Awards to Bahijja Raimi-Abraham, Vitaliy Khutoryanskiy and Stuart Jones, who all delivered keynote lectures. The APS Focus Groups each hosted superb sessions, where both younger and more experienced researchers presented their work. More than 200 posters were presented and the industrial exhibition included Almac Sciences, GSK, LTS Lohmann.



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### PHARMSCI 2022 (CONTINUED)

A key theme running through the conference was how innovation and teamwork in the pharmaceutical sciences, often across international boundaries, continues to drive recovery of patients, healthcare organisations, the economy and society to overcome the deleterious effects of the COVID-19 pandemic.

The social programme saw delegates treated to evenings in some of Belfast's most iconic settings, The Great Hall at Queen's University Belfast, Belfast City Hall and Titanic Belfast.

This was a really brilliant event with a great atmosphere. It was so good to catch up with old friends, as well as meet new people and hear about the latest developments in the pharmaceutical sciences in person. For us in Belfast it was a real honour to finally get to host the conference and we hope everyone enjoyed the scientific programme and social events as much as we did. I'd like to thank the Organising Committee, in particular Trish Sharp, Bahijja Raimi-Abraham, Trevor Archbold, Kofi Asare-Addo, Bob Clay, Nick Fry and Hannah Batchelor. Gratitude is also due to the volunteers from my own Group at Queens and also Visit Belfast for their support of the meeting.

We hope to see just as many, if not more, people at the next conference.



**Professor Ryan Donnelly**  
Queen's University Belfast

### APS ANNUAL GENERAL MEETING 2022

This years AGM will take place on Friday 4th November 2022 at 0930 hours GMT. All members have received an email with the link to join this meeting but if you have not received an email and would like to attend, please email [info@apsgb.co.uk](mailto:info@apsgb.co.uk) for the link to the meeting.





## NEWSLETTER

### PHARMSCI 2022 - POSTER WINNERS

Many congratulations to all of our poster winners.



Photo: Left to Right :  
Zoe McKinnon, Rania Mohammad Mahafdeh,  
Dr Kofi Asare-Addo, Prof Hannah Batchelor,  
Ayse Kaya and Anastasia Ripolin

### JUDGES CHOICE AWARDS

**Rania Mohammad Mahafdeh** - "Eradication of E. coli and S. aureus by Ciprofloxacin-loaded hydrogel"

**Zoe McKinnon** - "Solubility Measurement of Poorly Soluble Drugs in Fasted State Simulated Intestinal Fluid Reflective of In-Vivo Gastrointestinal Variability"

### PEOPLE'S CHOICE AWARDS

**Anastasia Ripolin** - "An assessment of the potential use of a 1cm<sup>2</sup> hydrogel-forming microneedle patch, in the weekly treatment of osteoporosis"

**Ayse Kaya** - "Solubility Enhancement for Zinc Diethyldithiocarbamate for Lung Cancer Treatment"

Click the button on the home page to view all the winning posters.

## NEWSLETTER

### APS FELLOWSHIPS 2022

A Fellowship is the highest and most prestigious honour awarded by the APS to members each year in recognition of their contribution to the Academy and their accomplishment and impact in any sector of the pharmaceutical sciences.

**Definition of Fellow:** A Fellow is an active member of the APS who has provided service to the scientific community, made a significant and distinct contribution to the APS and has had clear impact in pharmaceutical science.

#### **Expectation of APS Fellows:**

Following award of a fellowship, the honoured individual is expected to continue to be part of the diverse community of Academy of Pharmaceutical Sciences (APS) fellows who actively contribute to and support the APS, the wider pharmaceutical science community and emerging pharmaceutical scientists.

In addition, a Fellow is expected to:

- advocate on behalf of the APS and the pharmaceutical science community and by doing so strengthen the voice of the academy and support the future of pharmaceutical science.
- be inspirational by acting as a role model, and where appropriate a mentor, for the pharmaceutical science community, and in particular the next generation of pharmaceutical scientists, enabling them to develop the experience and expertise they need to become future leaders.

This year we are delighted to award the following Fellowships (in alphabetical order!):



Photo: Left to Right : Stuart Jones, Zahra Rattray,  
Maureen Coleman and Mark McAllister



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### APS FELLOWSHIPS 2022 (CONTINUED)

#### MAUREEN COLEMAN

Maureen has always pioneered the importance of pharmaceutical sciences in its broadest terms throughout her career, and always driven to support, develop, mentor and inspire pharmaceutical scientists and scientists in the pharmaceutical world to strive to achieve beyond their immediate aspirations. She runs an informal mentoring network for women in science mixing younger emerging scientists with more mature experienced women in our, and importantly, other industries. I know that she is delighted to see that now there are so many women in senior positions in science – a far cry from when she was one of a handful of senior women scientist managers in the whole of Glaxo R&D top 250 leaders.

Maureen has worked with the APS board to help redefine their vision, strategy and route forward and to encourage them to be involved with the smaller innovative companies not just the larger institutions, leading conference sessions at APS on innovative technologies. I have encouraged companies and scientists to become involved with APS and highlighted the APS's existence internationally to those investors who needed pharmaceutical science help (often when they didn't even know they did).

#### STUART JONES

Stuart started his career in pharmaceutical industry at Pfizer in Sandwich before moving to academia where he is now a Professor at King's College London.

Just over 10 years ago Stuart established a suite of education programs in Pharmaceutical Medicine, a discipline that focuses on the clinical development of medicines forming the Centre for Pharmaceutical Medicine (CPMR). The CPMR is one of the largest hubs for drug development education and teaching in the world. The CPMR is an active partnership between academia, industry, and the NHS. It has just over 100 staff members and representatives from 15 countries and educates a large number of students each year.

Stuart has contributed to the APS over the last 18 years through participation in all the PharmSci conferences since 2002. He was awarded the GSK Emerging Scientist Award (2010) at the APS conference in Nottingham and the APS Science lecture award in 2022.

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### APS FELLOWSHIPS 2022 (CONTINUED)

#### ALISON LANSLEY

Alison has contributed to pharmaceutical sciences throughout her career that includes career breaks and part-time working. She currently leads the MPharm programme at the University of Brighton and has won awards for her innovative approaches to teaching including the use of podcasts, blended-learning, research-based learning and her ability to communicate complex material in an accessible manner. As an educator in pharmaceutical sciences for many years, she has promoted pharmaceutical career paths by engendering an enthusiasm for this area of science in undergraduate and post graduate students. A number of these now work in the pharmaceutical industry.

Alison has been a member of the APS since 2013 and has chaired and co-chaired sessions at the annual conference and presented a keynote speech and other invited talks. She is keen to re-energise the inhalation focus group and to help in the promotion of pharmaceutical science to undergraduate students.

#### MARK MCALLISTER

Mark brings an outstanding industrial career in pharmaceutical sciences where he has worked in strategic, technical and people leadership roles for the past 25 years. He is currently a senior director in Pfizer's Drug Product Design group based in Sandwich, and is the Global Head of Biopharmaceutics with responsibility for scientists at sites in the UK, US, India and Europe.

He has pioneered industry-academic partnerships including the €24M EU Innovative Medicines Initiative (IMI) OrBiTo program delivering tools for oral biopharmaceutics for 5 years. This program significantly advanced biopharmaceutics science through the delivery of 170 scientific papers and the training of over 35 PhD and post-doctoral scientists. He has also championed a number of knowledge transfer training schemes such as the PEARRL Marie Skłodowska-Curie innovative training network and the CRYDIS Research and Innovation Staff Exchange programme.

He was the APS biopharmaceutics focus group lead for more than 20 years and during this time, organized multiple training events, symposia and conference sessions. He was the APS chair between September 2017 - March 2020 and a board member until 2021. During his tenure as APS chair, APS delivered 19 events including scientific, training meetings and the annual conference – "The Science of Differentiated Medicines" – APS@FIP (2018) and "Pharmaceutical Science in a Changing World" – University of Greenwich (2019).

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### APS FELLOWSHIPS 2022 (CONTINUED)

#### ZAHRA RATTRAY

Zahra is a Pharmacist with an inter-sector and disciplinary background in translational pharmaceutical sciences, where she has over 13 years of experience working in retail, clinical and industry sectors. She is currently a Senior Lecturer in Translational Pharmaceutics at the University of Strathclyde, where she has built a research team of >12 individuals and generated >£2.2 million since her appointment in Autumn 2018.

Her career-long vision is to inspire the next-generation of pharmaceutical scientists, irrespective of their socioeconomic status, religious beliefs, ethnicity or sexual identity. To-date, at every stage of her career she has contributed to the growth and development of others through mentoring.

She has been an active member of the Academy of Pharmaceutical Sciences, from the early days of her PhD acting as a volunteer at the annual British Pharmaceutical Conference in 2009. In 2019, she took on a steering committee member role within the APS Biotherapeutics and Vaccines focus group, and later chair of the Advanced Therapy Medicinal Products Focus Group (ATMP, 2021-present). She led the successful delivery of a symposium series in May 2021 entitled "Cell and Gene Therapy: From Concept to Clinical Use", the output of which was published in Pharmaceutics.

She also proposed speakers for the session, "Pharmaceutical Sciences and the Global COVID-19 Pandemic", that was part of the vPharmSci event in 2021.

I hope that you can see how these individuals showcase the breadth of the APS's activities which centre on:

- Establish and promote the reputation of Pharmaceutical Sciences and Scientists
- Influence policy
- Further scientific knowledge
- Promote careers

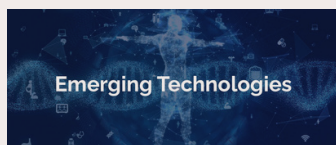
Please can we all welcome them as ambassadors of Pharmaceutical Sciences in the UK.



## NEWSLETTER

### FUTURE EVENTS

2022



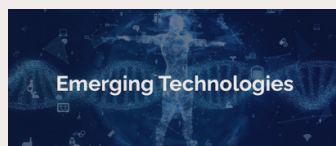
**October 20th 2022** - WEBINAR

Manufacturing of Nanomedicines by Microfluidics  
Tickets now on sale!



**October 26th 2022** - WEBINAR

Industrial Careers Insights Webinar  
Tickets now on sale!



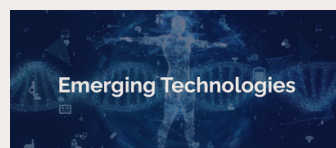
**November 17th 2022** - WEBINAR

MEMS devices as biosensors, drug delivery systems and injectable devices  
Hold the date - more information coming soon



**December 1st 2022** - WEBINAR

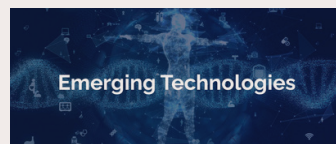
APS Festive Lecture  
Hold the date - more information coming soon



**December 8th 2022** - WEBINAR

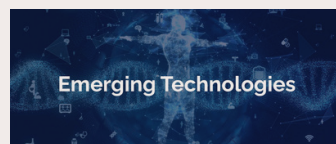
In silico modelling  
Hold the date - more information coming soon

2023



**January 19th 2023** - WEBINAR

3D Printing Simulations  
Hold the date - more information coming soon



**February 16th 2023** - WEBINAR

Artificial Intelligence (AI) and Machine Learning  
Hold the date - more information coming soon



## NEWSLETTER

### FUTURE EVENTS

2023



**March 16th 2023** - WEBINAR

Microfluidics for Drug Discovery and Development  
Hold the date - more information coming soon



**April 20th 2023** - WEBINAR

3D Bioprinting Applications in Drug Discovery and Development  
Hold the date - more information coming soon



**May 18th 2023** - WEBINAR

Environmental, Social, Economic, and Legal Concerns on the use of Emerging Technologies  
Hold the date - more information coming soon



**June 15th 2023** - WEBINAR

3D Used in Clinical Settings  
Hold the date - more information coming soon



**September 5th-7th 2023** - CONFERENCE

PharmSci 2023, University of Reading  
Hold the date - more information coming soon

### SPONSORS

With thanks to our sponsors for their continued support



### NEWSLETTER

Next issue will be Winter 2022 - Issue date December 2022