



Pharmaceutical Science - translating innovation for delivery to patients

Tuesday 5th September 2023 - Scientific Programme

1000 hours	Registration, exhibition, poster viewing and refreshments
1100 hours	Welcome - Professor Hannah Batchelor, APS Chair
1105 hours	Opening Plenary - Jo Craig, SVP CMC, NeRRe Therapeutics, "Pharmaceutical Science - Reflections on the Translation of Innovation for Patient Benefit"
1150 hours	Plenary Lecture - Fireside Chat with Maureen Coleman, Chairman CNBioInnovations, Rephine, PIR International and Parafricta, interviewed by Dr Kofi Asare-Addo, Senior Lecturer in Pharmaceutics and the Admissions Tutor for the Pharmacy (MPharm) course at the University of Huddersfield

1235 - 1400 hours Lunch, exhibition and poster viewing

1400 - 1530 hours Parallel Science Session 1

3D Printing of Pharmaceuticals: from Bench to Patients

Chair: Dr Atheer Awad, Lecturer, University of Hertfordshire

"Engineering of locally applied personalised implants to prevent periprosthetic joint infections using 3D printing technologies"

Dr Dolores Remedios Serrano Lopez, Associate Professor at the School of Pharmacy of Universidad Complutense de Madrid

"Future trends in drug product development - Additive manufacturing of oral dosage forms"

Nadine Gottschalk, Principal Scientist, Merck Life Science KGaA

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

Biopharmaceutics on New modalities: Beyond rule of five; oral route

Chair: Professor Nikoletta Fotaki, Professor in Pharmaceutics and Biopharmaceutics, University of Bath

"Title t.b.c."

Magda Swedrowska

"Drug delivery technologies for improving the oral bioavailability of biologics"

Dr Stephen T Buckley, PhD, Scientific Vice President, Advanced Drug Delivery, Novo Nordisk

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

Advanced Therapy Medicinal Products and Biotherapeutics

Chair: Dr Zahra Rattray, Senior Lecturer in Translational Pharmaceutics, University of Strathclyde

"Soft implantable cryogel scaffolds for controlled local delivery of therapeutics"

Dr Benjamin Newland, Lecturer at Cardiff University

"Developing and delivering the gold standard of Patient and Public Involvement (PPI) into research: the patient voice matters"

Dr Sandra Quinn, CPsychol. Health Services Research Manager, Myeloma UK

2 x Podium Presentations (10 minutes)
Speakers selected from Abstracts

1530 - 1600 hours Refreshments, exhibition and poster viewing

Tuesday 5th September 2023 - Scientific Programme (continued)

1600 - 1730 hours Parallel Science Session 2

Process Engineering and Formulation Focus Group

Chairs: Ranjitkumar Dhenge, GlaxoSmithKline and Jason Crooks, GlaxoSmithKline

Drugs from Natural Sources Focus Group - Translational innovations for new anti-cancer and anti-protozoal agents?

Chair: Prof Michael Heinrich, UCL School of Pharmacy, University London

Skin Forum

Chair: Professor Adrian Williams, Professor of Pharmaceutics University of Reading School of Pharmacy

"Continuous Direct Compression: Accelerated Development"

Dr Gurjit Bajwa, Process Engineering and Analytics Lead, GlaxoSmithKline Fellows Alumni

"Subtractive manufacturing of tablets at the Point-of-Care"

Dr Mohamed A Alhnan, Senior Lecturer in Pharmaceutical Medicine, King's College London

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

"RXR and ROR as targets for natural product (analogs) "

Univ.-Prof. Dr Verena M. Dirsch
Department of Pharmaceutical Sciences, (Division of Pharmacognosy), Faculty of Life Sciences, University of Vienna

"Title t.b.c."

Professor Colin W. Wright
Professor of Pharmacognosy, School of Pharmacy and Medical Sciences, University of Bradford

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

"Skin physiology and skin health"

Professor Stuart Jones, Chair in Pharmaceutical Medicine, Director of the Centre for Pharmaceutical Medicine Research, Institute of Pharmaceutical Science, King's College London

"The clinical and patient impact of effective skin care"

Dr Liam McAuley, Head of the Centre for Research in Topical Drug Delivery and Toxicology at the University of Hertfordshire

"Feeding filaggrin; targeted support of a key aetiological pathway in Atopic Dermatitis"

Dr Neil Gibbs, Founder and CSO, Curapel

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

1730 hours Drinks Reception and Poster Viewing

Wednesday 6th September 2023 - Scientific Programme

0830 hours Registration, exhibition, poster viewing and welcome refreshments

0900 hours APS Science Award Presentation - Professor Hannah Batchelor, APS Chair

0915 hours APS Science Award Lecture - David S. Jones, Professor of Pharmaceutical and Biomaterial Engineering
"Acrylates, Hydrogels and Flashing Lights: designing clinically relevant implants and drug delivery systems"

0945 hours Plenary Lecture - Professor Abdul Basit, Professor of Pharmaceutics, University College London
"Clinical translation of 3D printed medicines"

1030-1100 hours Refreshments, Exhibition and Poster Viewing

Register at www.apsgb.co.uk

Computational Methods in Pharmaceutical Science. United Kingdom and Ireland Controlled Release Society (UKICRS)
Chair: Professor Gareth Williams, University College London

Biopharmaceutics on New Modalities: Beyond Rule of Five; Non-Oral Route
Chair: Professor Nikoletta Fotaki, Professor in Pharmaceutics and Biopharmaceutics, University of Bath

Nanomedicine
Chair: Dr Elaine Ferguson, Reader in Polymer Therapeutics, Cardiff University

"Keeping powders relevant in the structural characterisation of pharmaceuticals"
Kenneth Shankland, Prof. of Pharmaceutical Crystallography, University of Reading

"An Introduction to Machine Learning Methods for Formulation Science"
Dr David Shorthouse, Lecturer, UCL School of Pharmacy

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

"Title t.b.c."
Ben Forbes

"Nasal Biopharmaceutics: fit for current and future needs?"
Dr Alison Lansley, Principal Lecturer, University of Brighton

"Subcutaneous Biopharmaceutics: Building tools for a flexible future"
Kate Harris, Associate Principle Scientist, Biopharmaceutics, AstraZeneca

2 x Podium Presentations (15 minutes)
Speaker selected from Abstracts

"Title t.b.c."
Claire Patterson MPharm PhD, Director of Pharmaceutical Science, Seda

"Title t.b.c."
Dr Lydia C Powell, Lecturer, Swansea University Medical School

"DNA Nanostructures for Antimicrobial Drug Delivery"
Dr Ioanna Mela, Royal Society University Research Fellow and Assistant Professor in Pharmacology

2 x Podium Presentations (10 minutes)
Speakers selected from Abstracts

Nanotechnology for Precision Medicine Applications. United Kingdom and Ireland Controlled Release Society (UKICRS)
Chair: Professor Dimitrios Lamprou, Professor in Pharmaceutical Engineering, Queens University Belfast

Joint Pharmaceutical Analysis Group (JPAG)
Chair: Professor Laura Waters, Professor of Pharmaceutical Analysis, School of Applied Sciences, University of Huddersfield

Navigating the Evolving Regulatory Landscape
Chair: Colm Reddington, Director CMC Regulatory Affairs, AstraZeneca

"Nano-omics: nanotechnology-enabled harvesting of blood-circulating biomarkers"
Dr Marilena Hadjidemetriou, Lecturer in Nanomedicine, NanoOmics Team Leader

"Lipid Nanoparticles for Combinatory Nucleic Acid Delivery for Cancer Immunotherapy"
Professor Khuloud Al-Jamal, FRSC, FRPharmS, FHEA, Chair of Drug Delivery and Nanomedicine, Head of Medicines Development, Institute of Pharmaceutical Science, King's College London

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

"Bench to bedside: breath testing for early disease detection and precision medicine"
Dr Dahlia Salman, Bioxhale Limited CEO

"Sequence Engineering to Improve the "Syringeability" of High-Concentration Monoclonal Antibody Formulations"
Georgina Armstrong, PhD Student, Senior Scientist, BioPharm Processs Research, Drug Substance Development, GlaxoSmithKline

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

"Implementation of 3D Printing of Personalised Medicines in a Clinical Setting"
Alvaro Goyanes, Director and Cofounder at FabRx

Wednesday 6th September 2023 - Scientific Programme (continued)

1500 hours Refreshments, Exhibition and Poster Viewing

1530 hours Exhibitors Session and Showcase - Maureen Coleman, Chairman CNBioInnovations, Rephine, PIR
1645 hours International and Parafricta
1700 hours Innovative Science Award Presentation - Jason Crooks, GlaxoSmithKline
Innovative Science Award Lecture (sponsored by GlaxoSmithKline) - "Time Trials - Precise Timing of Drug Delivery for the Treatment of Cortisol Deficiency" - Martin Whitaker, PhD, Royal Society Entrepreneur in Residence, The University of Sheffield
1730 hours Close

1900 hours Conference Dinner at Town Hall

Thursday 7th September 2023 - Scientific Programme

0830 hours Registration, exhibition, poster viewing and welcome refreshments
0900 hours Emerging Scientist Award Presentation (sponsored by Pfizer)
0915 hours Emerging Scientist Award Lecture - "A tale of badly behaving proteins, bioinspired delivery systems and inspirational women" - Dr Zahra Rattray, Senior Lecturer in Translational Pharmaceutics
0945 hours Plenary Lecture - Julien Meissonnier, Chief Scientific Officer, Catalent

1030 hours Refreshments, Exhibition and Poster Viewing

1115 - 1245 hours Parallel Science Session 1

Microfluidics and lab-on-a-chip: from drug delivery to discovery

Chair: Professor Dimitrios Lamprou, Professor in Pharmaceutical Engineering, Queens University Belfast

"Lab-on-a-Chip for Metastatic Bone Disease"

Dr Stefaan Verbruggen, Lecturer in Medical Technology, Queen Mary University of London

"Microfluidics for personalised medicine: Drug testing on patient-derived organoids"

Professor Gabriele Dubini, Professor of Bioengineering Chair, PhD Programme in Bioengineering, Department of Chemistry, Materials and Chemical Engineering 'Giulio Natta', Politecnico di Milano

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

New Scientists Focus Group

Chair: Beatriz Pereira, Senior Formulation Scientist, Astrazeneca

"Fireside Chat"

Professor Bill Dawson with Beatriz Pereira

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

Material Science Focus Group

Chair: Elaine Stone

"Title t.b.c."

Professor Axel Zeitler, Professor of Microstructure Engineering and Deputy Head of Department (Research) at the Department of Chemical Engineering and Biotechnology, University of Cambridge

"Embedding Materials Science at the heart of product control strategy for medicine patients delivery assurance"

Lucrecia Caran Missart, Comparability and Characterisation Lead, Analytical and Materials Science, MSAT, GlaxoSmithKline

"Material Science - Get it Right"

Dr Mridul Majumder, Founder and Director, M2M Pharmaceuticals Limited

2 x Podium Presentations (15 minutes)
Speakers selected from Abstracts

1300 hours Lunch, Exhibition, Poster Viewing and Prizes - Close of Conference

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