

Programme



Tuesday 1st September 2020

Pre-conference Reception- Great Hall- Queens' University

Wednesday 2nd September 2020

10.00 Registration, exhibition, poster viewing and welcome refreshments

11.00-13.00 - Plenary session S1

11.00	Welcome <i>APS Chair</i>
11.15	Opening plenary <i>Professor Martin Snowden, Pro-Vice Chancellor, Head of Faculty for Engineering and Science, University of Greenwich</i>
12.00	Professor Helen McCarthy <i>Queens University.</i>

13.00 Lunch, exhibition and poster viewing

14.00-15.30 - Parallel sessions S1.2

S1.2A: United Kingdom & Ireland Controlled Release Society (UKICRS)	S1.2B: Skin	S1.2C: Process Engineering & Formulation Design
<p>Chair: Dr Clare Hoskins (University of Strathclyde) & Dr Katie Ryan (University College Cork) Cancer Therapeutics</p>	<p>Chair: Profs Majella Lane/Ryan Donnelly</p>	<p>Chair: <i>Dr Kendal Pitt</i> <i>Continuous processing for OSD and/or Tablet Sticking (Joint session with APS Material Science Focus Group)</i></p>
<p>Dr Alecia Barry, (GSK) More information to follow</p>	<p><i>Long-acting, high-dose, microneedle delivery systems</i> Prof. Ryan Donnelly (Queens'University Belfast)</p>	<p><i>Continuous Twin Screw Granulation - Mechanisms and Modelling</i> Prof. Jim Litster (University of Sheffield)</p>
<p>Magnetic hyperthermia for early clinical phases of locally advanced PDAC patients Dr Daniel Ortega Ponce, University of Cadiz (Spain)</p>	<p><i>In vitro development of topical and transdermal products:addressing the bioequivalence challenge</i> Dr. Haydar Abdalghafor (Taro Pharmaceuticals, Canada)</p>	<p><i>Continuous manufacturing: Wet granulation platform</i> Dr Ranjitkumar Dhege (GSK)</p>
<p>Podium presentations:</p> <p><i>Two be selected from abstract submissions</i></p>	<p>Podium presentations:</p> <p><i>Two be selected from abstract submissions</i></p>	<p>Podium presentations:</p> <p><i>Two be selected from abstract submissions</i></p>

15.30 Refreshments, exhibition and poster viewing

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16:00-17:30 - Parallel sessions S1.3

S1.3A: United Kingdom & Ireland Controlled Release Society (UKICRS)	S1.3B: 3D Printing of Pharmaceuticals	S1.3C: Biotherapeutics and vaccines
<p>Chair: Dr Dimitrios Lamprou & Prof Karl Malcolm, Queen's University Belfast</p> <p>Innovative Technologies for Drug Delivery</p>	<p>Chair: Dr Martin Rowland</p>	<p>Chair: Dr Rachel Knott <i>Holistic approaches to cell and gene therapy</i></p>
<p>Electrophoretic drug delivery in the brain</p> <p>Prof George Malliaras, University of Cambridge</p> <p>Dr Paul Roach, Loughborough University</p> <p><i>More information to follow</i></p> <p>Podium presentations:</p> <p><i>Two be selected from abstract submissions</i></p>	<p><i>3D Printing of oral dosage forms – it's multi-layered</i></p> <p>Professor Gavin Halbert-University of Strathclyde</p> <p><i>3D printing of personalised medicines, from the computer to the blister pack</i></p> <p>Dr Alvaro Goyanes (UCL, FabRx)</p> <p>Podium presentations:</p> <p><i>Two be selected from abstract submissions</i></p>	<p><i>Advanced therapies for the treatment of cardiovascular disease</i></p> <p>Professor Andrew Baker Queen's Medical Research Institute</p> <p><i>Understanding the biological fate of nanomedicines</i></p> <p>Dr Zahra Rattray Strathclyde Institute of Pharmacy and Biomedical Sciences</p> <p>Podium presentations:</p> <p><i>Two be selected from abstract submissions</i></p>

17.30	Posters and networking
19.00	PharmSci 2020 Belfast City Hall Drinks Reception, Poster Prizes and networking event.

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Thursday 3rd September 2020

08.30 Registration, exhibition, poster viewing and welcome refreshments

09.00-11.00 - Plenary session S2.1

09.00 **APS Science Award (Sponsored by Astra Zeneca)**
To be announced soon once winner selected.

10.00 **Plenary**

11.00 Refreshments, exhibition and poster viewing

11.30-13.00 - Parallel sessions S2.2

S2.2A: Drugs from Natural Sources – From Traditional Medicine to Modern Healthcare
Chair: Prof. Michael Heinrich

From monograph to metabolomics - Navigating quality and regulation of herbal medicines in the 21st century
Helen Sheridan (Trinity College Dublin)

Can green technologies be applied to the development of natural product-derived antimalarial drugs?
Colin Wright (University of Bradford)

Podium presentations:

Two to be selected from abstract submissions

S2.2B: Joint Pharmaceutical Analysis Group (JPAG)
Chair: Dr David Elder
A Holistic Approach to Testing: Hyphenated, Orthogonal and Complementary Assessments

The use of in-silico tools to assist in the practical management of impurities under ICH M7.
Dr David Yeo (Lhasa)

ICH Q14/Q2 Update: A vaccines perspective
Dr Cristina Campa (GSK)

Podium presentations:

Two to be selected from abstract submissions

S2.2C: PEARRL / Biopharmaceutics

Chair: Dr Brendan Griffin, University College Cork & Prof. Jenny Dressman, Goethe University, Germany.

PEARRL overview and Applications of Computational Pharmaceutics in Drug Development
Martin Kuentz (University of Applied Sciences and Arts Northwestern Switzerland)

Approaches to understanding supersaturation and precipitation using in vitro techniques
Edmund Kostewicz (Goethe University)

Podium presentations:

Stabilization of poor glass forming drugs
Felix Dissinger

Biorelevant methods for studying drug release in patients with inflammatory bowel disease
Angela Effinger (University of Bath)

13.00 Lunch, exhibition and poster viewing
APS Annual General Meeting

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14.00-15.30 - Parallel sessions S2.3

S2.3A: SSPC/Material science Chair: <i>Solid state modelling</i>	S2.3B: Joint Pharmaceutical Analysis Group JPAG Chair: Dr Laura Waters <i>A Holistic Approach to Testing: Hyphenated, Orthogonal and Complementary Assessments</i>	S2.3C: PEARL / Biopharmaceutics Chair: Dr Brendan Griffin, University College Cork & Prof. Jenny Dressman, Goethe University, Germany.
<p><i>Predictive modelling of peptide assemblies</i> Dr Damien Thompson (University of Limerick)</p> <p><i>First-Principles Modelling of API Solid Forms</i> Dr Anthony Reilly (Dublin City University).</p> <p>Podium presentations: <i>Two to be selected from abstract submissions</i></p>	<p><i>Using the MAM (Multiple Attribute Methodology) workflow for characterisation of Biologics and Biological Impurities</i> Dr Christopher Nortcliffe (Sciex)</p> <p><i>Further information coming soon</i></p> <p>Podium presentations: <i>Two to be selected from abstract submissions</i></p>	<p><i>Levels Concept of Biopredictive Dissolution Testing</i> Jennifer Dressman (Goethe University, Germany)</p> <p><i>A clinical model for studying pediatric formulations in adults</i> Maria Vertzoni (University of Athens)</p> <p>Podium presentations: <i>Approaches to understanding enabling formulation performance by coupling in vitro with in silico techniques: case example etravirine</i> Chara Litou (Goethe University)</p> <p><i>Application of PBPK to Virtual Bioequivalence</i> Ioannis Loisos-Konstantinidis (Goethe University)</p>

15.30 Refreshments, exhibition and poster viewing

16.00-17.30 – Parallel sessions S2.4

S2.4A: Further information coming soon	S2.4B: Review session: <i>To be selected from ballot, please vote</i>

19.00 APS Black tie dinner – The Titanic Centre

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Friday 4th September 2020

08.30 Registration, exhibition, poster viewing and welcome refreshments

09.00-11.00 - Plenary session S3.1

09.00 **Innovative Science Award Plenary Lecture**
To be announced soon once winner selected.

09.50 **Emerging Scientist Award Plenary Lecture (sponsored by Pfizer)**
To be announced soon once winner selected.

10.40 **Closing address**
Professor Martin Snowden, Pro-Vice Chancellor, Head of Faculty for Engineering and Science, University of Greenwich
APS Chair
Science Chair 2021 to be announced

11.00 Refreshments, exhibition and poster viewing

11.30-13.00 - Parallel sessions S3.2

S3.2A: Nanomedicines Focus Group	S3.2B: New Scientist Focus Group	S3.2C: Digital Pharmaceutics – Opportunities and Challenges
<p>Chair: Dr Phillip Seib (University of Strathclyde) “From serendipity to design”</p>	<p>Chair: Dr Matt Reason (GSK) Career paths for Pharmaceutical Scientists</p>	<p>Chair: Dr Pankaj Doshi, Pfizer</p> <p>Expanded theme: Emerging technologies like predictive modelling, big data driven machine learning and artificial intelligence and process automation are poised to transform the development and manufacturing of quality and cost-effective pharmaceutical products. This session will strive to bring together experts and practitioners from academia and industry to share their experiences with these technologies.</p>
<p>Prof Alexandra Porter (Imperial College) <i>Further information coming soon</i></p> <p><i>Prospects for Mechanisms of Biological Recognition and Clinical Targeting on the Nanoscale</i> Prof Kenneth Dawson (University College Dublin)</p> <p>Podium presentations: Two be selected from abstract submissions</p>	<p>Dr Padraig Flynn (Queen’s University)</p> <p>Avnee Vaghjiani (Pfizer)</p> <p>Dr Aaron Courtenay (Uni. of Ulster)</p> <p><i>Further information coming soon</i></p>	<p>Gavin Reynolds (Astrazeneca) <i>Further information coming soon</i></p> <p><i>Use of data science to support characterization and understanding of pharmaceutical material properties</i> Ana Ferreira (BMS)</p> <p>Podium presentations: Two be selected from abstract submissions</p>

13.00 Lunch, exhibition and poster viewing & Prizes and close of conference

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