20th International Conference and Exhibition on
Pharmaceutics & Novel Drug Delivery Systems

March 18-20, 2019
Edinburgh, Scotland

SCIENTIFIC PROGRAM
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>Registrations</td>
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<tr>
<td>09:00-09:30</td>
<td>Introduction</td>
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<td>09:30-09:50</td>
<td>COFFEE BREAK</td>
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<tr>
<td>09:50-11:50</td>
<td>MEETING HALL 01: KEYNOTE LECTURES</td>
<td>MEETING HALL 02:</td>
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<tr>
<td></td>
<td>- Biopharmaceutics and drug disposition</td>
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<tr>
<td></td>
<td>- Pharmaceutical technology</td>
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<td></td>
<td>- Drug discovery &amp; Biochemistry</td>
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<td></td>
<td>- Protein structure prediction and molecular simulation</td>
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<td></td>
<td>Talks On: Drug Targeting &amp; Design and Pharmacokinetics &amp; Pharmacodynamics</td>
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<tr>
<td></td>
<td>- Drug targeting strategies</td>
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<td>- Computer aided drug design</td>
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<td></td>
<td>- Pharmacokinetic parameters</td>
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<td>- Pharmacodynamic parameters</td>
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<td>11:50-13:00</td>
<td>Lunch Break</td>
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<tr>
<td>13:10-13:15</td>
<td>GROUP PHOTO</td>
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<td>13:15-14:00</td>
<td>LUNCH BREAK</td>
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<tr>
<td>14:00-16:00</td>
<td>MEETING HALL 01: Talks On: Pharmaceutical Formulation &amp; Manufacturing</td>
<td>MEETING HALL 02: Talks On: Pharmaceutical Nanotechnology &amp; Novel Drug Delivery Systems</td>
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<tr>
<td></td>
<td>- Preformulation studies</td>
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<td>- Drug formulation considerations</td>
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<td>- Formulation and pre-formulation</td>
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<td>- Formulation types</td>
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<td>- Enteral &amp; Parenteral formulations</td>
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<td>- Topical formulations</td>
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<td>- Nanobiomaterials and biopharmaceuticals</td>
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<td>- Nanotechnology and clinical applications</td>
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<td>- Pharmaceutical engineering</td>
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<td>- Bionanotechnology and biomems</td>
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<td>- Liposomes &amp; Dendrimers</td>
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<td>- Nano particles &amp; Hydrogels</td>
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<td>16:00-16:20</td>
<td>COFFEE BREAK</td>
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<tr>
<td>17:00-18:00</td>
<td>Young Researchers in Pharmaceutics and NDDS</td>
<td>Workshop</td>
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</table>
### KEYNOTE LECTURES

**Meeting Hall 01**

**Tuesday, 19th March**

**09:00-10:30**

**Meeting Hall 01**

**10:30-10:50 COFFEE BREAK**

**10:50-12:50**

<table>
<thead>
<tr>
<th>MEETING HALL 01</th>
<th>MEETING HALL 02</th>
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<tbody>
<tr>
<td><strong>Talks On:</strong> Smart Drug Delivery Systems &amp; Nanomedicine</td>
<td><strong>Talks On:</strong> Biomaterials in Drug Delivery and Vaccine Drug Delivery Systems</td>
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<tr>
<td>Targeted drug delivery</td>
<td>Ceramics and metals</td>
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<tr>
<td>Self-emulsifying drug delivery systems (SEDDS)</td>
<td>Polymers &amp; 3D printing technologies</td>
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<tr>
<td>2D and 3D printing in drug delivery</td>
<td>Biomaterials &amp; therapeutics</td>
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<tr>
<td>Blood brain barrier delivery</td>
<td>Therapeutic vaccination for auto immune diseases</td>
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<td>Antibody targeted-drug conjugates</td>
<td>Cancer and Influenza vaccines</td>
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<tr>
<td>Nanomedicine and Biomedical Applications</td>
<td>HIV/AIDS vaccines and HPV vaccines</td>
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**12:50-13:35 LUNCH BREAK**

**13:35-15:55**

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<thead>
<tr>
<th>MEETING HALL 01</th>
<th>MEETING HALL 02</th>
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<tbody>
<tr>
<td><strong>Talks On:</strong> Medical Devices for Drug Delivery &amp; Pharmaceutical Packaging</td>
<td><strong>Talks On:</strong> Biologics, Biosimilars and Clinical Trials &amp; Clinical Research</td>
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<tr>
<td>Biomedical instrumentation measurements</td>
<td>Bio-analytics for biosimilars</td>
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<tr>
<td>Quality by design (QBD)</td>
<td>Legal considerations for biosimilars</td>
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<tr>
<td>Regulatory considerations-China, US, EU, Pharmacopoeia</td>
<td>Challenges and regulatory approach for biosimilars</td>
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<tr>
<td>Serialization implementation challenges for pharma companies</td>
<td>CRO, sponsorship &amp; outsourcing for clinical trials</td>
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<tr>
<td>EN 16679-anti-counterfeiting and tamper evidence techniques</td>
<td>Clinical trial forecasting, budgeting and contracting</td>
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<tr>
<td>Packing technology for drug delivery systems</td>
<td>Clinical trials on different diseases and Clinical supply management</td>
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**15:55-16:15 COFFEE BREAK**

**16:15-17:00**

**Meeting Hall 01**

**Poster Presentations**

**MEETING HALL 01 (17:00-18:00)**

**Workshop**

Visit: [https://novel-drugdelivery-systems.pharmaceuticalconferences.com/](https://novel-drugdelivery-systems.pharmaceuticalconferences.com/)
### KEYNOTE LECTURES

**Meeting Hall 01**

<table>
<thead>
<tr>
<th>Time</th>
<th>Talks On: Pharmaceutical Analysis &amp; Pharmaceutical Process Validation</th>
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<tbody>
<tr>
<td>10:50-12:50</td>
<td>Novel approaches to analytical and bioanalytical methods</td>
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<td>Chromatography techniques</td>
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<td>Spectroscopic techniques</td>
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<td>Mass spectroscopy</td>
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<td>Process validation and drug quality</td>
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<td>Validation protocol and report</td>
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**Meeting Hall 02**

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<thead>
<tr>
<th>Time</th>
<th>Talks On: Pharmacovigilance and Regulatory Affairs &amp; Intellectual Property Rights</th>
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<tbody>
<tr>
<td>10:50-12:50</td>
<td>Postmarketing drug safety</td>
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<td>Consulting on risk management</td>
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<td>Adverse event reporting</td>
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<td>Drug regulations and organizations</td>
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<td>Global pharma products registration</td>
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<td>Intellectual property law for generics and innovator rights</td>
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### COFFEE BREAK

**Meeting Hall 01 (16:15-17:00)**

#### Young Researchers in Pharmaceutical Sciences

#### Awards & Closing Ceremony

**Meeting Hall 01 (17:00-18:00)**

#### Workshop
Organizing Committee Members

Dongfeng Tan
University of Texas MD Anderson
Cancer Center, USA

Nachum Dafny
The University of Texas Health Science Center, USA

John Higgins
Merck & Co, USA

Tirasak Pasharawipas
Rangsit University, Thailand

Dimitris Drikakis
University of Nicosia, Cyprus

Pietro Mastroeni
University of Cambridge, UK

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*Rutgers University, USA*

Luke Fisher  
*Collaborative Drug Discovery, USA*

Michael Crider  
*Southern Illinois University Edwardsville, USA*

Susan Ciotti  
*Nan Bio corporation, USA*

Elizabeth Kwong  
*Kwong Eureka Solutions, Canada*

Mariana Babayeva  
*Touro College of Pharmacy, USA*

Stuart R Maudsley  
*Universiteit Antwerpen, Belgium*

Ronald A Hill  
*The University of Louisiana, USA*

Lakshmi Prasanna Kolluru  
*Medefil Inc, USA*

Marvin A. Soriano-Ursúa  
*Instituto Politécnico Nacional, Mexico*

Tarek Aboul-Fadl  
*Assiut University, Egypt*

Priyankar Sen  
*VIT University, India*

Shweta Bhagat  
*National Institute of Pharmaceutical Education and Research, India*

Andreas Bernkop-Schnürch  
*University of Innsbruck, Austria*

Osama Ibrahim  
*Bio Innovation, USA*

Volkmar Weissig  
*Midwestern University College of Pharmacy Glendale, USA*

Christine Dufès  
*University of Strathclyde, UK*

Patrizia Chetoni  
*University of Pisa, Italy*

Fiorenza Rancan  
*Universitätsmedizin Berlin, Germany*
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*University of Liverpool, UK*

Achim Aigner  
*Leipzig University, Germany*

Hyungil Jung  
*Yonsei University, South Korea*

Anton Aleksashkin  
*Lomonosov Moscow, State University, Russia*

Muhammad Irfan Alam  
*University of Sunderland, UK*

Shrawan Baghel  
*Waterford Institute of Technology, Ireland*

Hinojal Zazo Gamez  
*Univesidad de Salamanca, Spain*

Stephen Loughran  
*Queens University Belfast, Ireland*

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*Campo Center for Research in Molecular Medicine and Chronic Diseases (CIMUS), Spain*

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*Queen's University Belfast, Ireland*

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*IBET, Portugal*

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*Inovio Pharmaceuticals Inc, USA*

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*Tokyo University of Science, Japan*

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Gillian Hutcheon  
*Liverpool John Moores University, UK*

Drazen Raucher  
*University of Mississippi Medical Center, USA*

Alessandra Maroni  
*University of Milan, Italy*

Shilpa Raut  
*Amway, USA*

Tatiana Hurtado de Mendoza  
*Sanford Burnham Prebys Medical Discovery Institute, USA*

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*University of Innsbruck, Austria*

Marco Contardi  
*Italian Institute of Technology, Italy*

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Marta Truffi  
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Imran Saleem  
*Liverpool John Moores University, UK*

Raid Alany  
*Kingston University, UK*

Dimitrios A. Lamprou  
*University of Kent, UK*

Khuloud Al Jamal  
*King’s College London, UK*

Arwyn T Jones  
*Cardiff University, UK*

Joel Richard  
*IPSEN, France*

Steve Hood  
*GSK, UK*
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- Cockburn Street
- Old Town
- Holyrood Palace
- Royal Botanic Garden
- Edinburgh Waverley Railway Station
- Firth of Forth
- Princes Street
- Old Town