Intro

2017 was the biggest and richest DDF Summit to date. There were 50% more speakers and 42% more attendees than the previous year.

The key to this success has been building an agenda around the key relationship between academia and industry. By inviting academic speakers with strong ties to pharmaceutical and biotech companies the summit is positioned at the cutting edge of modern drug development.

Read on to discover more about who was there, what they learned and what they thought.

Statistics

346 registered attendees

96.4% learned something new and useful for their work

94.2% would attend again

97.1% would recommend the summit to a colleague.

74.8% met somebody who could help with their current challenges.
What Did the Attendees Think?

“Great coverage of relevant formulation topics”
Iwan Vervoort
Janssen

“It was a very successful meeting, bringing together the academia and industry”
Sevda Senel
Hacettepe University

“Very positive, would come again”
Adele Patterson
Bristol-Myers Squibb

“Excellent networking!”
Catherine Tuleu
UCL

“Very informative, met great people, would like to come back next year”
Yuna Shon
Samsung Bioepis

“Enlightening experience particularly with respect to new technology”
Steven Halliday
Kyowa Kirin

“Very good summit, good presentations in well-organised order”
Monika Brink
Boehringer Ingelheim Vetmedica

“Very positive, well balanced between different talk/speaker, good program”
Perrine Pivette
Onxe

“Very interesting summit. Speakers were very engaging and it’s motivating to see the innovation that’s occurring in the pharma and biopharma industries”
Anita Lombard
Stryker

“Very worthwhile few days”
John Banks
Kyowa Kirin International
“Very interesting talks from different angles”
Johannes Khinast
TU Graz

“It was very interesting and very useful to my job”
Paula Trives
León Farma

“Very well organised summit, with a very good and appropriate program”
Eric Saly
Solvay
Explore the Content
Click on any presentation to see the full set of slides.

Small Molecules

Non-Invasive Drug Delivery across Epithelial Barriers for Combatting and Preventing Infectious Diseases
Prof. Claus-Michael Lehr
Head of Department Drug Delivery | HIPS

Lipid Suspensions – An Approach to Increase Oral Bioavailability or Just Greasy Business?
Rene Holm
Scientific Director and Head of Drug Product Development, Parenterals and Liquids | Janssen

Eyes on AQOAT® HPMCAS for Solid Dispersion
Dr. Andreas Sauer
Technical Manager | ShinEtsu

Implant Design for Ophthalmic Delivery: The Place of Materials and Fabrication Methods
Prof Clive Wilson
J. P. Todd Professor of Pharmaceutics | Strathclyde University

In Silico Formulation
Philippe Lienard
CMC Discovery Coordinator | Sanofi

Recent Progress in Understanding and Predicting Oral Absorption with Focus on the IMI project OrBiTo
Bertil Abrahamsson
Senior Principal Scientist | AstraZeneca
Explore the Content
Click on any presentation to see the full set of slides.

Small Molecules

Excipients and their Effects on the Quality of Small Molecules
Dr David Elder
fGSK

Co-amorphous Materials; Discovery and Design
Dr. David Berry
Lecturer in Pharmaceutics, Division of Pharmacy | GSK

Exploring the Influence of Excipient Variability on Functional Related Characteristics
Bastiaan Dickhoff
Senior Product Application Specialist | DFE Pharma

The past, present and the future of alternate route drug delivery – A large Pharma perspective
Henry Y. Wu
MSD

Polymeric Micelles for Targeted Drug Delivery
Prof. Wim Hennink
Head of Pharmaceutics Department | Utrecht University

The Past, Present and the Future of Alternate Route Drug Delivery – A Large Pharma Perspective
Dr Yunhui Wu
Director of Biopharmaceutics in Pharmaceutical Sciences & Clinical Supply | MSD

Improving Safety and Effectiveness – The Role of Patient Centric Drug Product Development
Dr Catherine Tuleu
Reader in Pharmaceutics (Paediatric Drug Delivery) | UCL
Spatio-Temporal Drug Delivery: Addressing the Unmet Medical Need

Sachin Mittal, Ph.D.
Sr Principal Scientist, Formulation Sciences | MSD
Explore the Content
Click on any presentation to see the full set of slides.

Biologics

Typical Challenges and Pitfalls in the Formulation and Clinical Application of ADCs and BITE Molecules
Dr Carsten Olbrich
Senior Scientist External Technology & Innovation | Bayer

The Mucus Gel Barrier: Industrial Applicable Strategies to Overcome It
Andreas Bernkopf-Schnurch
Head of Institute Pharmacy | Innsbruck University

Long-lasting Parenteral Formulations for Peptides
Elisa Agostini
Head of Laboratory | Sanofi

UNleash Automated Buffer Exchange
Quincy Mehta
Product Manager | Unchained Labs

Paradigm Shift: The Importance of Closing the Characterization Gap Between APIs & Formulation Components
Christian Lotz
Director, Business Development | Pfanstiehl

Use of Peptide and Protein Vectors to Cross the BBB for the Delivery of Therapeutic Concentration of Biologics
Dr Reinhard Gabathuler
Chief Scientist | biOasis Technologies Inc
Explore the Content
Click on any presentation to see the full set of slides.

Biologics

Predicting Protein Stability Using Chemical and Thermal Denaturation by nanoDSF
Dr. Anna Münch
Senior Applications Specialist | Nano-Temper Technologies

Oral Mucosal Drug Delivery: Current and Future Aspects
Sevda Şenel
Professor of Pharmaceutical Technology | Hacettepe University

Multi-Compartmental Oral Delivery Systems for Silencing of Intestinal Tissue Transglutaminase-2 and Interleukin-15 Genes for the Treatment of Celiac Disease
Husain Attarwala
Senior Associate Scientist | Alnylam Pharmaceuticals
Explore the Content
Click on any presentation to see the full set of slides.

Technology & Innovation

The Changing Landscape of Biotherapeutic Development
Ron Peeples
VP, Pharmaceutical Sciences, BioTherapeutics | Pfizer

Introduction to VPA (Vaporized Peracetic Acid) Sterilization; A New Path to Innovation and Efficiency
Mason Schwartz
Inventor of REVOX VPA technology & Director of R&D and Operations | REVOX Sterilization Solutions

Formulation of Amorphous Solid Dispersions – From Physical Chemistry to Bioavailability
Prof. Thomas Rades
Research Chair, Pharmaceutical Design and Drug Delivery, Department of Pharmacy | University of Copenhagen

Continuous Processing of Solid Oral Dose Forms
George Sienkiewicz
Senior Manager | Pfizer

Delivering the Promise of Continuous Secondary Manufacture
Richard Elkes
R&D Continuous Secondary OSD Engineering Lead | GSK

Continuous Manufacturing – Critical Steps and Possible Solutions
Prof. Johannes Khinast
Graz University of Technology Research Center Pharmaceutical Engineering Graz, Austria

Continuous Manufacturing – Critical Steps and Possible Solutions
Prof. Johannes Khinast
Head of Institute for Process & Particle Engineering | TU Graz
Explore the Content
Click on any presentation to see the full set of slides.

Technology & Innovation

Using Technology to Create Opportunities and Value – Focus or Diversify?
Georg Schmies
VP, Global Head Product Development & Drug Delivery | Ferring Pharmaceuticals

A Patient-Centric Approach to Drug Formulation
Holger Neecke
Director, Business Development & Luigi Boltri, R&D Director, Innovation & Technology | Adare Pharmaceuticals

Application of Quality by Design in Continuous Processing Systems
George Sienkiewicz
Senior Manager | Pfizer

Solid Solutions and the Oral Drug Absorption Frontier
Dr Craig McKelvey
Distinguished Formulation Scientist | MSD

PVA – Revival of a Long-lost Polymer: Drug Solubility Enhancement & Modified Release
Dr Finn Bauer
Director of Solid Formulations | Merck KGaA

Transdermal Delivery Systems (TDS): A Complex, but Manageable Dosage Form
Thomas Hille
Director, R&D | LTS Lohmann
Explore the Content
Click on any presentation to see the full set of slides.

Technology & Innovation

Drug-Coated Microneedle Patch for Acute Treatments
Mahmoud Ameri
Senior Director, Pharmaceutical Development | Zosano Pharma

Physico-Chemical Characterisation of Solid Solutions
Jose Velada
Chief Scientific Officer | Synthon

Oral Drug Delivery: What to Learn from Imaging Studies? An Update
Werner Weitschies
Head of Department Biopharmaceutics & Pharmaceutical Technology | University of Greifswald

Physico-Chemical Characterisation of Solid Solutions
Jose Velada
Chief Scientific Officer | Synthon

Oral Drug Delivery: What to Learn from Imaging Studies? An Update
Werner Weitschies
Head of Department Biopharmaceutics & Pharmaceutical Technology | University of Greifswald

Pharmaceutical and Biomedical 3D Printing Applications
Denis Douroumis
Professor in Pharmaceutical Technology and Process Engineering | University of Greenwich

ICRT: Advanced Drug Delivery Platform – From Controlling Release to Deterring Abuse
Aia Malik
Product Manager, Healthcare | Lucideon

The MHRA’s Current Procedures to Support Development of Innovative and Novel Drugs
Dr Andrea Wallington
Medical Assessor, Biologicals and Biotechnology Unit | MHRA
Explore the Content
Click on any presentation to see the full set of slides.

Technology & Innovation

Maltitol and Protein Stabilization: Evaluation and Development of a New Excipient for Pharmaceutical Applications
Denis Simon
Director of Technical Service | Roquette

Challenges in the Analysis of Spray Dried Formulations: Dissolution
Dr Adele Patterson
Senior Research Investigator II | Bristol-Myers Squibb

Formulating for Microneedle Delivery
Prof. Ryan Donnelly
Chair in Pharmaceutical Technology | Queen's University Belfast

Challenges in the Analysis of Spray Dried Formulations: Dissolution
Adele Patterson
Senior Research Investigator II | BMS
The summit attracts senior pharmaceutical development and formulation scientists from across pharma big and small. **Companies in attendance this year include:**

- AbbVie
- Aché Laboratórios
- Actelion Pharmaceuticals
- Adamed
- Affibody
- ALK-Abelló
- Allergopharma
- Almirall
- Alnylam Pharmaceuticals
- Amgen
- Angelini Acraf
- Ascendis Pharma
- Astellas Pharma
- Astrazeneca
- Bayer
- BiOasis Technologies
- Boehringer Ingelheim
- Bristol-Myers Squibb
- Celgene
- Chiesi
- Cure Pharmaceutical
- Daiichi Sankyo
Who Was There? o Continued

Debiopharm
Durham University
EVOTEC
Federal Institute for Drugs and Medical Devices (BfArM)

Ferrer
Fresenius Kabi
Ghent University
GSK

Green Cross Corporation
Grübenthal
Hacettepe University
Halozyeme Therapeutics

Helm
Hexal
ImmunoGen
Ipsen

Janssen
Jazz Pharmaceuticals
Kyowa Hakko Kirin
LEO Pharma

“Well prepared and well performed.”
Carsten Olbrich, Senior Scientist, Bayer Pharma
“High quality people from academia and industry together in a great and comfortable space.”

Maria Dolores Moya, Formulation Scientist, Laboratorios Leon Farma
Who Was There? Continued

University of Kent
University of Leuven
University of Strathclyde
University school of Pharmacy Marseille

Utrecht University
VIRBAC
Yuria-Pharm
Zahravi Pharmaceutical Company

Zentiva
Zosano Pharma
By company type:

Pharmaceuticals: 63.4%
Delivery / Formulation Services: 26%
University: 8.3%
Regulatory Agency: 2.3%

By job function:

- R&D 26.7%
- Drug Development 17.3%
- Formulation 16.0%
- Business Development 8.9%
- Professor 8.0%
- Technical 5.3%
- Customer Service 4.0%
- CMC 3.6%
- Other 10.2%

By seniority:

- Manager 29.8%
- Head 21.6%
- Scientist 16.1%
- Director 13.8%
- Principal Scientist 6.9%
- VP 4.6%
- Specialist / Expert 4.1%
- C-Level 3.2%

“"The DDF event is getting better with every year... It is really worth coming.”

Monika Brink, Senior Manager, Outsourcing R&D CMC, Boehringer Ingelheim Vetmedica
Top 10 countries:

1. Germany 28.4%
2. United Kingdom 11.9%
3. Denmark 8.8%
4. United States 7.7%
5. France 6.5%
6. Switzerland 6.1%
7. Belgium 5.4%
8. Netherlands 3.5%
9. Sweden 2.7%
10. Italy 1.9%

Other countries represented include:
- Japan
- Portugal
- Ireland
- South Korea
- Jordan
- Spain
- Austria
- Finland
- Canada
- Turkey
- Croatia
- Norway
- Hungary
- Poland
- Czech Republic
- India
- Iran
- Brazil
- Cuba

By investment priorities:

- Delivery Methods & Devices – 89%
- Delivery Challenges – 75%
- Delivery Technologies – 62%
- Manufacturing / Scale-up – 53%
- Modified / Controlled Release – 63%
- Targeted Delivery – 46%
- Formulated Design Technologies – 65%
- Strategy & Planning – 68%

“Very good, smart people, very interesting talks”

Laugier Maxime, VP, Pharma Development, Poxel Pharma
Commercial Partners

Thank you to our Commercial Partners, without whom the summit couldn’t exist.

If you’d like to be a Commercial Partner in 2018 then please contact:

Alexandra Krcho
alexandra.krcho@markallengroup.com
See the Highlights

Click the links below to watch three short videos highlighting some of the key aspects of the summit.

**Networking Highlights**

https://www.youtube.com/watch?v=0YVpJS17Y2Y

**Content Highlights**

https://www.youtube.com/watch?v=TEErzQTVq2o

**Commercial Opportunity Highlights**

https://www.youtube.com/watch?v=aXW3PB3gaUg
Looking Forward to 2018

9th Global
DDF Summit
Drug Delivery & Formulation

12 - 14 March 2018  |  Maritim proArte Hotel Berlin
ddfevent.com

After a hugely successful two years at the Maritim proArte in Berlin we’ll return once again in 2018.

Next year we’ll take more space to accommodate further growth of the summit.

This means a 4th room for an extra agenda stream focused on Delivery Devices.

There will also be more space for networking, meetings and the innovative technology companies who support the summit.

Want to be there?

There are 2 ways to get involved depending on your position in the industry…

1.
If your company has a drug development pipeline and you work within a technical or R&D function, then you can register as a delegate. Also open to academic and non-profit organisations.

Delegate Price:
Early registration rate: £495  Full price: £1095
Register online at www.ddfevent.com/book-now
Email: mabconferences@markallengroup.com
Call: +44 (0) 207 738 5454

2.
If you offer services or solutions to drug developing companies and you have commercial responsibilities, then you can only attend as a Commercial Partner.

Contact Alexandra Krcho (alexandra.krcho@markallengroup.com, +44 (0) 20 3874 9205) to explore the possibilities.