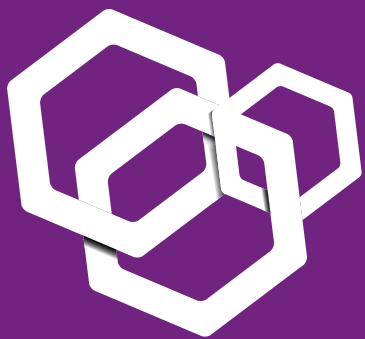




11th Global

DDF Summit

Drug Delivery & Formulation

9 - 11 March 2020 | Berlin

Innovations in pharmaceutical development

Europe's premier drug delivery and formulation event

Summit Brochure

www.ddfevent.com



What did the attendees think?

"Informative. Inspiring. Well organized. Felt spoiled (all those breaks and lunches). To the point. Delivering as promised"

Iulia Oita, Stability Manager, **Ablynx**

"One of the largest and best platforms to bring together large Pharma with advanced CROs/CMOs as well as latest developments in Academia"

Stefan Bracht, Head of Disruptive Technology, **Bayer**

"Great range of high-quality speakers, comfortable venue and very well organised"

David Harrison, Senior Alliance Lead, **UCB Biopharma**

"Lot of presentation with high quality, variety of topics, great chance for networking"

Hanna Kuśmierek, Site Manager, **Janssen and Cilag**

"Very interesting talks. The summit well organized. Amazing experience"

Giulio Cavalli, Process Scientist, **Chiesi Ltd**

"Well organized, comfortable space, interesting sessions, good networking opportunities"

Mark Howansky, Associate Director, Device Development, **Bristol Myers Squibb**

"Very good. Excellent breadth of presentations. Good representation from both industry and academia"

David Churchley, Pharmaceutical Development Manager, **ECO Animal Health**

"Cross active meeting, nice balance between Combination Product and Biologics, very engaging and very good case studies"

Kerstin Walke, Head Pharmaceutical Development, **Boehringer Ingelheim**



The perfect mix. The DDF Summit brings together leading formulation development and drug delivery scientists from both industry and academia to share and discuss their latest work.

Quality content. The agenda is packed with carefully selected talks on topics as diverse as the challenges you face.

Invaluable networking. The DDF community is open, friendly and represents an incredibly valuable network of scientists working at the forefront of their field. There is ample networking time built in to help you make and strengthen connections.

Tailor your experience. Four parallel streams give you the chance to personalise your agenda and delve deep into the topics pertinent to your challenges. Choose from Small Molecules, Biologics, Technology & Innovation or Device Development.

The right size. This year the DDF Summit will be limited to just 500 people, in order to maintain the quality of the networking and comfort for participants. This means that there will only be 250 delegate tickets available. So, don't waste time in getting yours.

Key themes for 2020 include:

- New modalities research opportunities and challenges
- Personalised therapies, mRNA, Cell and gene therapies
- Analytical techniques for biotherapeutics
- 3D printing, flexible manufacturing techniques, continuous manufacturing
- Multivariate analysis techniques, production process optimisation, digitalisation of pharmaceutical development
- mAb and bispecific formulation development
- Oral delivery of biologics and other routes
- Device development, microneedles, connected devices
- Integrating human factors into device development, behavioural design





[Click here for the full agenda](#)

Stream Highlights: Biologics

- Personalised Therapies Based on mRNA Drugs**
Heinrich Haas, Vice President RNA Formulation & Drug Delivery, BioNTech RNA Pharmaceuticals
- Freeze Dryer's Characterization for the Purpose of Scale-up Activities**
Mostafa Nakach, Head of Formulation and Process Development Biologics Drug Product Development, **Sanofi**
- Solution Spotlight By Pfanstiehl**
Pfanstiehl
- Summary of Six Years of Progress in the Oral Biopharmaceutics Area – the EU/IMI Project OrBiTo**
Bertil Abrahamsson, Senior Principal Scientist , **AstraZeneca**
- Lipid-based Excipients with Advanced Functionality**
Dr. Sharareh Salar-Behzadi, Principal Scientist, Research Center Pharmaceutical Engineering (RCPE)
- Solution Spotlight By Gore & Associates**
Gore & Associates
- Polysorbate Degradation: Implications and Control**
Satya Kishore Ravuri, Senior Group Leader, Early-Stage Pharmaceutical and Processing Development, **Roche**
- Should I Mix for Additional 5 Min or Not? Setting Up the Mixing Parameters for Protein Drug Manufacturing with Computational Fluid Dynamics**
Omar Naneh, Senior Scientist BPD DPD Operational Sciences, **Lek d d. (Novartis)**
- Current Status and Opportunities of Cell and Gene Therapies**
Othmane Boussif, Global Head Cell & Gene Therapy Technical Development, **Novartis**
- CMC aspect of Oligonucleotide Therapeutics**
Sonoko Kanai, Associate Director, **AstraZeneca**
- Selecting Compound for Long Acting Injections and Available Technologies**
Rene Holm, Head and Scientific Director, Liquids & Parenterals, **Janssen**
- Polysorbates for Biopharmaceuticals: An Unnecessarily Complex Mixture or Synergistic Blend?**
James Humphrey, Applications Specialist, **Croda**
- Injection Pain with Biologicals**
Jonas Fransson, Director of Drug Product Development, Swedish Orphan Biovitrum AB
- Solution Spotlight By LEUKOCARE**
Leukocare
- Case Study by Boehringer Ingelheim**
Patrick Garidel, Associate Director Protein Science, **Boehringer Ingelheim**
- Mesoporous Silica Particles; Simple yet Powerful Tool for the Delivery of Biomolecules**
Dr Vivek Trivedi, Lecturer, Formulation Science Department of Pharmaceutical, Chemical and Environmental Sciences, **University of Kent**
- Molecular Modelling Techniques to Aid Drug Stability Studies Chemistry, Manufacturing and controls (CMC) strategies for Cell Therapies**
- Combination Treatment of Multidrug Resistant Tumours with Stimuli-Sensitive Nanocarriers Co-loaded with siRNA and Drugs**
- Emerging Opportunities in Biologics Delivery**



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Stream Highlights: Small Molecules

Drug Delivery Approaches for Small Molecule Sterile Injectables
Richard Green, Senior Director, Pharmaceutical Sciences, Pfizer

Multivariate Analysis in the Pharmaceutical Industry
Mike Tobyn, Research Fellow, Bristol-Myers Squibb

Solution Spotlight by BDD Pharma
BDD pharma

Targeting Small Molecules to Lymph: Methods and Applications
Daniel Bonner, Vice President, PureTech Health

Reviewing our Internal CMC Innovation Set-up
Gregoire Schwach, Head Drug Delivery, Roche

Delivery to Market: Application of Multivariate Analysis to Production Processes
Paolo Avalle, Associate Principal Scientist, MSD

Application of Thermodynamic and Kinetic Modeling in ASD Development for Primary Packaging Assessment
Kristin Lehmkeper, Senior Scientist, AbbVie

Targeting Cancers with Nano Drug Delivery Systems
Nano Drug Delivery Systems

Process Material Compatibility Study Concepts
Thomas Schmidt, Principal Scientist, Sandoz

Solution Spotlight by Quotient Sciences
Quotient Sciences

Spray Flash Evaporation, a Disruptive Eco-efficient Process for the Continuous Engineering of Nano-pharmaceutics: From Laboratory to Industry
Dr. HDR Denis Spitzer, Founding Director of the NS3E laboratory, Mixed Research Unit, UMR ISL/CNRS/UNISTRA

Solution Spotlight by Foster Delivery Science
Foster Delivery Science

Accelerated Stability Testing of Excipients

Solution Spotlight by MedPharm
MedPharm

Case Study by Sanofi
Jean-René Authelin, Global Head of Pharmaceutical Engineering, Sanofi

Local Delivery for Enteric Coated Drugs

Solution Spotlight by PMC Isochem
PMC Isochem

Challenges and Opportunities of Development of Salts of Weak Bases

Solution Spotlight by Beneo
Beneo

Challenges with Oxidation Sensitive Drug Substances

Limitations and Problem Solving of Polysorbate

Trojan Horse Formulations for Tumour Drug Delivery

Injectable Drug Formulation Depots with Sustained Release



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Stream Highlights: Technology & Innovation

- Clinically Relevant Drug Product Specifications**
Andreas Abend, Director Analytical Sciences, Merck
- 3D Printing Case Study**
Jean Alié, Head of Section at Sanofi Solid State Characterization and 3D printing, Sanofi
- Solution Spotlight by LTS Lohman**
LTS Lohman
- Challenges and Opportunities in Combination Product Design, Development and Use**
- Optimising Conventional Formulations for Continuous Manufacturing**
- Solution Spotlight by Adare**
Adare
- Enhancing Drug Formulation of Challenging Compounds Using Supercritical Fluid (SCF) Technologies**
- New Technologies in Non-Invasive Drug Delivery**
Claus-Michael Lehr, Head of the Department Drug Delivery, Helmholtz Institute for Pharmaceutical Research Saarland
- Science-based Development of Formulation and Process for Enabling Formulations**
Johannes Khinast, Director Research Center Pharmaceutical Engineering, Graz University of Technology
- Carbon Nanotube Composites for Drug Delivery**
- Continuous Manufacturing and Influence of Excipient Variation**
Mara van Haandel, Innovation Manager, DFE Pharma
- Design, Translation and Development of Polymeric Nano-Medicines**
- Solution Spotlight by ShinEtsu**
ShinEtsu
- Overcoming Barriers of Acetylcholinesterase Inhibitors for Alzheimer's Disease**
- Digital Assistant to Support Drug Product Development**
Ferdinand Brandl, Head of Laboratory, BASF SE, Nutrition and Health, Development Pharma Solutions
- Bringing Drugs to Market Sooner**
- Novel Screening Tools for Hot Melt Extrusion – Early Prediction of Formulation Performance**
Thomas Kipping, Head of Drug Carriers, Merck
- CNS Drug Delivery and Barrier Modelling**
- Release Testing of Nanoformulations**
- Nanomedicines – Are We Ready for The Market?**
- Novel CART Cell Therapy Based Tumour Treatments**
- Nanomedicine, Emerging Opportunities in Immunooncology**
Anand Subramony, Vice President, External Innovation & Novel Technologies, AstraZeneca
- Leveraging New Therapeutic Modalities to Expand the Druggable Target Space**
Shalini Andersson, Chief Scientist New Therapeutic Modalities, AstraZeneca



[Click here for the full agenda](#)

Stream Highlights: Device Development

-  **Case Study by Novartis**
Muriel Didier, Head Human Factors, Novartis
-  **First-time-use Experience**
Rémy Kohler, Human Factors Engineer, Device and Packaging Development, PTDE-D, Roche
-  **Injectability Modelling for Arbitrary Drug Delivery Devices**
Nima Aghajari, Senior Simulation Engineer, Sanofi
-  **Implementing Human Factors Engineering and User-Centred Design: Practical Guidance for Combination Products**
Mike Tate, Human Factors Manager, Boehringer Ingelheim
-  **Solution Spotlight by Datwyler**
Datwyler
-  **Microneedle Vaccine Delivery**
Anne Moore, Professor, University College Cork
-  **3D Printing for the Fabrication of Transdermal Microneedles: In Vitro and In Vivo Evaluation**
Dennis Douroumis, Professor in Pharmaceutical Technology and Process Engineering, Director of Centre for Innovation in Process Engineering and Research (CIPER), University of Greenwich
-  **Improving Patient Experience through Digital and Combination Products Harmony**
-  **Drug Product Challenges with Closed System Transfer Devices**
Twinkle Christian, Principle Scientist, Drug Product Technologies department, Amgen
-  **Wearable Insulin Delivery Devices**
-  **Solution Spotlight by Cambridge Design Partnership**
Cambridge Design Partnership
-  **Creating a Digital Ecosystem Beneficial to the Patient**
-  **Ophthalmic Drug Delivery**
-  **Development of Inhalers That Guide Patient Technique**
-  **How Will the Future Look for Next Generation Devices?**
-  **Software Applications (Apps), the New Medical Devices?**
-  **Combination Products: Design and Patient Experience**
-  **Industry Effects of EU MDR and IVDR Regulations**
Serge Mathonet, Global Regulatory Affairs Biologics Center CMC Interface, Sanofi
-  **Solution Spotlight By Crux**



Speakers



Anand Subramony

Vice President, R&D, (External Innovation & Novel Tech: Drug Delivery, Digital Devices, ADC, Nanomedicine)
AstraZeneca



Andreas Abend

Director Analytical Sciences
Merck



Andreas Seidl

Chief Operating Officer
LEUKOCARE



Anne Moore

Professor
University College Cork



Bertil Abrahamsson

Senior Principal Scientist
AstraZeneca



Brian K. Meyer

Principal Scientist New Technologies, Vaccine Drug Product Development, Bioprocess Research and Development
Merck



Charles Evans

VP of Pharmaceutical Development
MedPharm



Claus-Michael Lehr

Head of the Department Drug Delivery
Helmholtz Institute for Pharmaceutical Research Saarland



Cornelia Kruettli

Section Head Product Care Device and Packaging Development
Roche



Daniel Bonner

Vice President
PureTech Health



Dr. HDR Denis Spitzer

Founding Director of the NS3E laboratory, Mixed Research Unit
UMR ISL/CNRS/UNISTRA



Dennis Douroumis

Professor in Pharmaceutical Technology and Process Engineering, Director of Centre for Innovation in Process Engineering and Research
University of Greenwich



Feng Zhang

Assistant Professor
University of Texas at Austin



Ferdinand Brandl

Head of Laboratory
BASF SE, Nutrition and Health
Development Pharma Solutions



Gregoire Schwach

Head Drug Delivery
Roche



Heinrich Haas

Vice President RNA Formulation & Drug Delivery
BioNTEch RNA Pharmaceuticals



James Humphrey

Applications Specialist
Croda



Jean Alié

Head of Section at Sanofi Solid State Characterization and 3D printing
Sanofi



Speakers



Jean-René Authelin

Global Head of Pharmaceutical Engineering
Sanofi



Mike Tobyn

Research Fellow
Bristol-Myers Squibb



Paolo Avalle

Associate Principal Scientist
MSD



Johannes Khinast

Director Research Center Pharmaceutical
Engineering
Graz University of Technology



Mostafa Nakach

Head of formulation and process
development Biologics Drug Product
Development
Sanofi



Pekka Kallunki

Principal Scientist
Lundbeck



Jonas Fransson

Director of Drug Product Development
Swedish Orphan Biovitrum AB



Muriel Didier

Head Human Factors
Novartis



Rémy Kohler

Human Factors Engineer, Device and
Packaging Development, PTDE-D
Roche



Kristin Lehmkomper

Senior Scientist
AbbVie



Nima Aghajari

Senior Simulation Engineer
Sanofi



René Holm

Head and Scientific Director,
Liquids & Parenterals
QW



Mara van Haandel

Innovation Manager
DFE pharma



Omar Naneh

Senior scientist BPD DPD Operational
Sciences
Lek d d. (Novartis)



Richard Green

Senior Director, Pharmaceutical Sciences
Pfizer



Mike Tate

Human Factors Manager
Boehringer Ingelheim



Otmane Boussif

Global Head Cell & Gene Therapy Technical
Development
Novartis



Satya Kishore Ravuri

Senior Group Leader, Early-Stage
Pharmaceutical and Processing Development
Roche



Speakers *continued*



Serge Mathonet

Global Regulatory Affairs Biologics Center
CMC Interface
Sanofi



Thomas Kipping

Head of Drug Carriers
Merck



Shalini Andersson

Chief Scientist New Therapeutic Modalities
AstraZeneca



Thomas Schmidt

Principal Scientist
Sandoz



Dr. Sharareh Salar-Behzadi

Principal Scientist
**Research Center Pharmaceutical
Engineering (RCPE)**



Torsten Kneuss

QA Manager Combination Products
Bayer



Sonoko Kanai

Associate Director
AstraZeneca



Twinkle Christian

Principle Scientist, Drug Product
Technologies department
Amgen



Stefan Wendland

Global Head Design Development &
Innovation IA/ Medical Devices
Sanofi



Dr Vivek Trivedi

Lecturer, Formulation Science Department of
Pharmaceutical, Chemical and Environmental
Sciences
University of Kent



Sudhkar Garad

Global Head of Chemical and Pharmaceutical
Profiling
Novartis Institutes for BioMedical Research



Yash Kapoor

Principal Scientist
MSD



Commercial Partners

If you're interested in becoming an official partner for the DDF Summit, please contact

Alexandra Krcho

alexandra.krcho@markallengroup.com +44 (0) 203 874 9205.



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Commercial Partners *continued*



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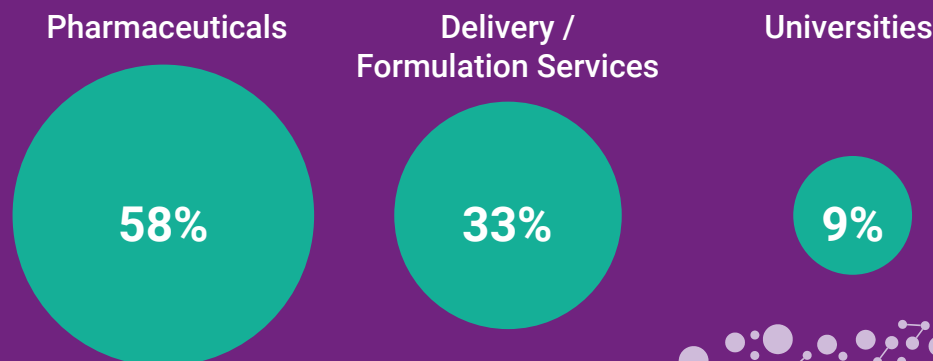
Who attends the DDF Summit?

The 2019 summit was the biggest to date with over 450 senior pharmaceutical development leaders joining us in Berlin for the 3 days. Here's how they breakdown:

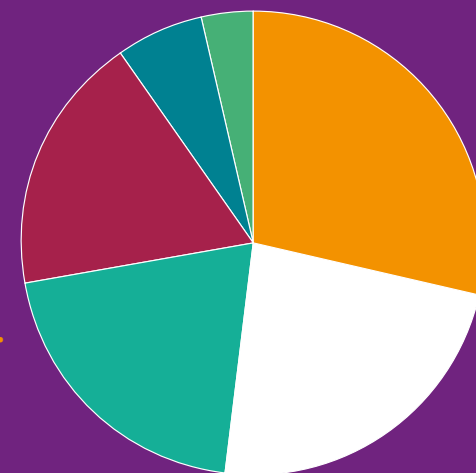
Common job functions:

R&D • Analytical Development • Pharmaceutical Development • Formulation Development • Technical Development • Device Development • Process Development • Drug Development • CMC • Human Factors • Innovation • Business Development

By company type:



By seniority:



By country:

Top 10 countries:

1	Germany	25.1%
2	United Kingdom	14.9%
3	United States	12.1%
4	Switzerland	7.9%
5	France	6.5%
6	Denmark	5.4%
7	Italy	3.9%
8	Belgium	3.7%
9	Spain	2.8%
10	Austria	2.5%





How to register

Delegate registration is open to companies with a drug development pipeline or proprietary drugs in the market and academic / non-profit / government institutions.

If you work for a **technology, service or solution provider** then you can only attend as a commercial partner. Please go to the next page for more information.

A delegate ticket includes:

- Access to all presentations on all 3 days
- Access to exhibition hall
- Potential for 2 pre-arranged 1-2-1 meetings with suppliers most likely to solve your challenges
- A light breakfast, full buffet lunch and refreshments on all 3 days
- 2 evening drinks receptions with canapes
- A discounted room rate at the venue hotel
- Access to all presentations made available by speakers after the summit
- Opportunity to submit a poster to the poster competition
- Access to the official summit app

Prices:

Super Early Bird Price: £895 + VAT

(until **Friday 11th October**)

Full Price: £1,495 + VAT

In order to maintain a comfortable and valuable networking experience, this year the summit will be **limited to 500 attendees**. This means there are **only 250 delegate places available** to purchase.

To register, please

Visit: www.ddfevent.com/book-now

Email: maxconferences@markallengroup.com

Call: +44 (0) 207 738 5454



Become a Commercial Partner

As an official DDF Summit commercial partner, you can benefit from:

- **3 days of varied networking opportunities** - providing you with ample time to meet and get to know the 300+ pharma development leaders in attendance
- **Speaking positions within targeted, highly technical streams** - guaranteeing you a relevant and engaged audience
- **Exposure** in the pre- and post-summit marketing campaigns
- The chance for your team to get up to speed with the **latest innovations** and **advances** in drug delivery and formulation

There are a variety of options available to meet your business needs:

Business Development Package – a powerful injection of high quality leads into your pipeline

Thought Leadership Package – Intrigue, challenge and inspire with your innovative ideas and solutions

Bespoke Package – Tailored to suit your targets, goals and vision

Contact Alexandra for more information on the remaining opportunities.

Alexandra Krcho, Account Director
+44 (0) 203 874 9205 | alexandra.krcho@markallengroup.com



Venue

Maritim proArte Hotel Berlin

Friedrichstrasse 151
10117 Berlin
Germany

+49 30 20 335

Website

Accommodation

This is not included in your delegate ticket.
You will need to arrange your own accommodation.
However, we have arranged a discounted rate for all attendees at the Maritim proArte – more information is available [here](#)

Contact us

If you'd like to speak to us about anything at all then please use the details below:

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