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?

“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

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

Iulia Oita, Stability Manager, Ablynx

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

David Harrison, Senior Alliance Lead, UCB Biopharma

“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

“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

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

Hanna Kuśmierek, Site Manager, Janssen and Cilag

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

David Churchley, Pharmaceutical Development Manager, ECO Animal Health

“Well organized, comfortable space, interesting sessions, good networking opportunities”

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

“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 and 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
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

- Trehalose and Sucrose: Essential Components of Platform Biopharma Formulations
  Dr. Christian Lotz, General Manager, EMEA, 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)

- Stable Liquid Formulations for Viral Vaccines and Gene Therapy Viral Vectors: Reality or Fantasy
  Dr. Andreas Seidi, Chief Operating Officer, LEUKOCARE AG

- 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
  Otmane Boussif, Global Head Cell & Gene Therapy Technical Development, Novartis

- 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

- New Silicone-Free Option for Delivery of Sensitive Biologics in Pre-Filled Syringes

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

- CMC aspect of Oligonucleotide Therapeutics
  Sonoko Kanai, Associate Director, AstraZeneca

- Intradermal Delivery of Vaccines: An Overview

- Nanogels for the Intracellular Delivery of Proteins and Peptides
  Rene van Nostrum, Associate professor, Utrecht University

- Extending Shelf Life of Therapeutic Proteins with Hydroxypropyl ß-Cyclodextrins - Mechanistic Understanding of Bevacizumab Stabilization
  Shiqi Hong, Senior biopharma scientist, Roquette

- SynBiosys Microparticles for the Development of Long-Acting Injectable Formulations for Biological Therapeutics
  Rob Steendam, Chief Technology Officer, InnoCore Pharmaceuticals
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

- **Case study by Cristal Therapeutics**
  Rachel Hu, Senior Formulation Scientist, Cristal Therapeutics

- **An Integrated Approach to Rapidly Advancing Poorly Bioavailable Compounds to the Clinic**
  David Lyon, Senior Fellow, Research, Lonza

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

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

- **Understanding Developability Assessment of Small Molecules**
  Sudhakar Garad, Global Head of Chemical and Pharmaceutical Profiling, Novartis Institutes for BioMedical Research

- **Analysis from the Tufts Center for the Study of Drug Development to Assess the Financial Benefits from Translational Pharmaceutics®: A Platform for Accelerating Product Development**
  Andy Lewis, Vice President, Pharmaceutical Sciences, Quotient Sciences

- **Process Material Compatibility Study Concepts**
  Thomas Schmidt, Principal Scientist, Novartis

- **Solution Spotlight by Foster Delivery Science**
  Feng Zhang, Assistant Professor, University of Texas at Austin

- **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

- **Accelerated Stability Testing of Excipients**

- **Advances in Dermal Drug Development – The Formulation and The Model**
  Charles Evans, VP of Pharmaceutical, MedPharm

- **Keynote by Sanofi**
  Jean-René Authelin, Global Head of Pharmaceutical Engineering, Sanofi

- **A Convenient Formulation of Orodispersible mini-tablets for Pediatric Administration**
  Dr. Michael Black, Head of Sales Pharma, BENEO-Palatinit GmbH

- **Processing Strategies to Prepare Poorly Soluble Drug Compounds by Nanotechnological and Amorphous Formulation Approaches**
  Werner Hoheisel, Group Lead Formulation Technologies, Invite

- **Computer-aided Formulation Development for Small Molecule Drugs and Biologics**
  John C. Shelley, Schrödinger Fellow, Schrödinger

- **Amorphous Solid Dispersion: Strategies in Early Stage Development and Technology Choice**
  Philippe Lienard, Pre-Development Science Project Manager, Sanofi

- **CMC Strategies to Accelerate Proof-of-Concept for Oral Drugs in the Biotech Industry**
  Jatin Patel, Executive Director-CMC, Constellation Pharmaceuticals
Stream Highlights: Technology & Innovation

- **Leveraging New Therapeutic Modalities to Expand the Druggable Target Space**
  - Shalini Andersson, Chief Scientist New Therapeutic Modalities, AstraZeneca

- **Clinically Relevant Drug Product Specifications**
  - Andreas Abend, Director Analytical Sciences, Merck

- **Data Sciences meet Formulation Development: Workflow in Vaccine Formulation Development using Integrative High Throughput/High Content Approaches**
  - Joao Miguel Freire, Scientist Formulation Science & Technology (FST), Janssen

- **Oral Thin Films – Tailoring Therapy Needs**
  - Dr. Marco Engenharte, Corporate Vice President Head of Pharmaceutical Development I R&D, LTS Lohmann

- **Nanoparticles and Medicines Design**
  - Professor Ijeoma Uchegbu, Chair in Pharmaceutical Nanoscience, UCL School of Pharmacy

- **BioTED: an Innovation Portfolio for Biologics**
  - Gregoire Schwach, Head Drug Delivery, Roche

- **Improving Compliance and Accuracy of Dosing in Paediatrics and Patients with Dysphagia**
  - Luigi Boltri, Director, Technology Development, Adare Pharmaceuticals

- **Designer Nanomedicines for Cancer Immunotherapy**
  - Professor Khuloud Al-Jamal, Chair of Drug Delivery & Nanomedicine, King’s College London

- **Drug Delivery across biological Barriers for Combating and Preventing Infectious Diseases**
  - Claus-Michael Lehr, Head of the Department Drug Delivery, Helmholtz Institute for Pharmaceutical Research Saarland

- **In Vitro Models of the Blood Brain Barrier and their use in Drug Delivery Studies**
  - Birger Brodin, Professor, University of Copenhagen

- **Continuous Manufacturing and Influence of Excipient Variation**
  - Mara van Haandel, Innovation Manager, DFE Pharma

- **Staying Ahead of the Game: Formulation Development Strategies for Biologics and Biosimilars**
  - Sachin Dubey, Deputy Director - Process Sciences I, Ichnos Sciences

- **Fine Powder Methyl Cellulose and its Dry Binder Application**
  - Dr. Andreas Sauer, Technical Sales Director, SE Tylose GmbH & Co. KG

- **Digital Assistant to Support Drug Product Development**
  - Ferdinand Brandl, Head of Laboratory, BASF SE, Nutrition and Health, Development Pharma Solutions

- **Nanomedicine, Emerging Opportunities in Immunooncology**
  - Anand Subramony, Vice President, External Innovation & Novel Technologies, AstraZeneca

- **Novel Screening Tools for Hot Melt Extrusion – Early Prediction of Formulation Performance**
  - Thomas Kipping, Head of Drug Carriers, Merck

- **In progress, Unique Identifiers on Dosage Forms to Prevent Counterfeits and Falsified Medicines**
  - Sven Stegemann, Professor for Patient Centric Drug Development and Manufacturing, Graz University of Technology

- **The Accordion Pill®: Unique Oral Delivery to Enhance Pharmacokinetics and Therapeutic benefit of Challenging Drugs**
  - Ronny Reinberg, Vice President Technology Affairs, Intec Pharma

- **Characterization of Protein Based Medicines using Drop Coat Deposition Raman spectroscopy**
  - Anna Luczak, Senior Scientist, Bristol-Myers Squibb

- **Sustained Release Intra-Vaginal Drug Delivery Systems based on Ethylene-Vinyl Acetate: Formulation and Physicochemical Considerations**
  - Amrit Paudel, Assistant Professor & Principal Scientist, Graz University of Technology, Research Center Pharmaceutical Engineering (RCPE)
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

- **Solution spotlight by Emergo by UL**
  - Emergo by UL

- **Injectability Modelling for Arbitrary Drug Delivery Devices**
  - Nima Aghajari, Senior Simulation Engineer, Sanofi

- **Interchangeability of 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

- **Drug Product Challenges with Closed System Transfer Devices**
  - Twinkle Christian, Principle Scientist, Drug Product Technologies department, Amgen

- **How to Unlock the Potential of Digital to Design Products for the Benefit of all Stakeholders**
  - Cambridge Design Partnership

- **Computer Simulations for Subcutaneous Injections**
  - Joel Gresham, Simulation Expert & Life Sciences Lead, Crux Product Design Ltd.

- **Case Study: Drug Delivery through Implantable Devices**
  - Dr. Chris McConville, Senior Lecturer in Pharmaceutics, Drug Formulation and Delivery, Sir Robert Aitken Institute for Medical Research, University of Birmingham

- **Creating a Digital Ecosystem that Improves Outcomes: The Do's and Don'ts to Navigate Hype vs Hope**
  - Matthew Clemente, Vice President, Device Development, Novo Nordisk

- **Solution spotlight by Biogen**
  - Davide Mercadante, Senior Device Quality Engineer III, Device Development Quality, Biogen

- **Biocompatibility Testing of Medical Devices and Drug Device Combination Products**
  - Dr. Clemens Günther, Director Nonclinical Safety CC, Bayer

- **Industry Effects of EU MDR and IVDR Regulations**
  - Serge Mathonet, Global Regulatory Affairs Biologics Center CMC Interface, Sanofi
Speakers

CONFEREE CHAIRPERSONS

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

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Professor
University College Cork

Andreas Abend
Director Analytical Sciences
Merck

Bertil Abrahamsson
Senior Principal Scientist
AstraZeneca

Dr. Andreas Seidl
Chief Operating Officer
LEUKOCARE

Amrit Paudel
Assistant Professor & Principal Scientist
Graz University of Technology, Research Center Pharmaceutical Engineering (RCPE)

Birger Brodin
Professor
University of Copenhagen

Andrew Lewis
Vice President, Pharmaceutical Sciences
Quotient Sciences

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Vice President Innovation & Development Centre Europe
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Dr. Andreas Sauer
Technical Sales Director
SE Tylose GmbH & Co. KG

Brian K. Meyer
Principal Scientist New Technologies, Vaccine Drug Product Development, Bioprocess Research and Development
Merck

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

Andrew Lewis
Vice President, Pharmaceutical Sciences
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Anna Luczak
Senior Scientist
Bristol-Myers Squibb

Charles Evans
VP of Pharmaceutical Development
MedPharm
Speakers

Dr. Chris McConville  
Senior Lecturer in Pharmaceutics, Drug Formulation and Delivery  
Sir Robert Aitken Institute for Medical Research University of Birmingham

Dr. Christian Lotz  
General Manager, EMEA  
Pfanstiehl

Clare Beddoes  
Senior medical innovation and research consultant  
Cambridge Design Partnership

Claus-Michael Lehr  
Head of the Department Drug Delivery  
Helmholtz Institute for Pharmaceutical Research Saarland

Dr. Clemens Günther  
Director Nonclinical Safety CC  
Bayer

Daniel Bonner  
Vice President  
PureTech Health

David Lyon  
Senior Fellow, Research  
Lonza

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Senior Device Quality Engineer III, Device Development Quality  
Biogen

Dr. HDR Denis Spitzer  
Founding Director of the NS3E laboratory, Mixed Research Unit  
UMR ISL/CNRS/UNISTRA

Gregoire Schwach  
Head Drug Delivery  
Roche

Heinrich Haas  
Vice President RNA Formulation & Drug Delivery  
BioNTech RNA Pharmaceuticals

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Chair in Pharmaceutical Nanoscience  
UCL School of Pharmacy

James Humphrey  
Applications Specialist  
Croda

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

Feng Zhang  
Assistant Professor  
University of Texas at Austin

Jan Nordmann  
Product Care Leader, Device and Packaging Development Europe  
Roche

Jatin Patel  
Executive Director-CMC  
Constellation Pharmaceuticals
Speakers

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

Jean-René Authelin
Global Head of Pharmaceutical Engineering
Sanofi

Joao Miguel Freire
Scientist Formulation Science & Technology (FST)
Janssen

Joel Gresham
Simulation Expert & Life Sciences Lead
Crux Product Design Ltd.

Johannes Khinast
Director Research Center Pharmaceutical Engineering
Graz University of Technology

John C. Shelley
Schroedinger Fellow
Schrödinger

Jonas Fransson
Director of Drug Product Development
Swedish Orphan Biovitrum AB

Jonathan Armer
Scientist
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Professor Khuloud Al-Jamal
Chair of Drug Delivery & Nanomedicine
King’s College London

Kristin Lehmkemper
Senior Scientist
AbbVie

Luigi Boltri
Director, Technology Development
Adare Pharmaceuticals

Mara van Haandel
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DFE pharma

Dr. Marco Emgenbroich
Corporate Vice President Head of Pharmaceutical Development I R&D
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Rachel Hu  
Senior Formulation Scientist  
Cristal Therapeutics

Ronny Reinberg  
Vice President Technology Affairs  
Intec Pharma

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

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

Russ Hornung  
Business Development- Drug Delivery and Packaging  
W.L. Gore & Associates

Otmane Boussif  
Global Head Cell & Gene Therapy Technical Development  
Novartis

René Holm  
Head and Scientific Director, Liquids & Parenterals  
QW

Sachin Dubey  
Deputy Director - Process Sciences I  
Ichnos Sciences

Paolo Avalle  
Associate Principal Scientist  
MSD

Rene van Nostrum  
Associate Professor  
Utrecht University

Satya Kishore Ravuri  
Senior Group Leader, Early-Stage Pharmaceutical and Processing Development  
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Senior Director, Pharmaceutical Sciences  
Pfizer

Serge Mathonet  
Global Regulatory Affairs Biologics Center CMC Interface  
Sanofi
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AstraZeneca

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Principal Scientist  
Research Center Pharmaceutical Engineering (RCPE)

**ShiQi Hong**  
Senior biopharma scientist  
Roquette

**Sonoko Kanai**  
Associate Director  
AstraZeneca

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

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**Thomas Kipping**  
Head of Drug Carriers  
Merck

**Thomas Schmidt**  
Principal Scientist  
Sandoz

**Torsten Kneuss**  
QA Manager Combination Products  
Bayer

**Twinkle Christian**  
Principle Scientist, Drug Product Technologies department  
Amgen

**Dr. Vivek Trivedi**  
Lecturer, Formulation Science Department of Pharmaceutical, Chemical and Environmental Sciences  
University of Kent

**Sven Stegemann**  
Group Lead Formulation Technologies  
Invite

**Yash Kapoor**  
Principal Scientist  
MSD

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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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- Zerion
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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:
- Pharmaceuticals 58%
- Delivery / Formulation Services 33%
- Universities 9%

By seniority:
- Scientist/Specialist 28.8%
- Manager 23.3%
- Director 20.2%
- Head 18.1%
- VP 6.1%
- C-Level 3.4%

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%

Other countries represented:
- Netherlands
- South Korea
- Finland
- Japan
- Greece
- Ireland
- Czech Republic
- India
- Slovenia
- Sweden
- Poland
- Portugal
- Northern Ireland
- Norway
- Romania
- Taiwan
- China
- Hungary
- Ghana
- Croatia
- Kuwait
- Macedonia
- Jordan
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:

Early registration price: £1,395 + VAT
( until Friday 14 February)

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:

**General Enquiries:**
+44 (0)20 7738 5454
maxconferences@markallengroup.com

**Conference Content & Speaking:**
Ahmed Osman, Programme Director
+ 44 (0)20 3874 9202
ahmed.osman@markallengroup.com

**Sponsorship Enquiries:**
Alexandra Krcho, Account Director
+ 44 (0) 203 874 9205
alexandra.krcho@markallengroup.com

**Delegate Enquiries:**
Adrian Forde, Delegate Sales Director
+ 44 (0)20 3874 9209
adrian.forde@markallengroup.com

**Marketing & Media Enquiries:**
Elena Berrino, Conference Marketing Manager
+44 (0)203 874 9201
elena.berrino@markallengroup.com

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