

3rd annual

Bi@DataWORLD

congress 2017

2nd – 3rd November 2017

Wellcome Genome Campus, Cambridge UK

HARNESSING THE POWER OF BIG DATA IN PRECISION MEDICINE



Organised by:

SPARK SOMETHING
TERRAPINN 

www.terrappinn.com/biodata2017



"Well organised, good quality people, good facilities - good event!"

Account Manager, **Dell**

WHAT'S IN STORE FOR 2017?

No matter what area of the healthcare system or pharmaceutical industry you find yourself in, one thing is clear – data is key. Whether you are using it for drug development or improving healthcare practices, developing open-source data platforms or safeguarding it against cyber threats – there are many hurdles to overcome and opportunities to take advantage of.

So with that in mind, BioData World Congress 2017 will bring together academia, industry and healthcare to discuss and debate how to come together to improve efficiencies within bio IT and biodata to the benefit of patients worldwide.

THE CONFERENCE

Industry- & thought-leading topics bringing together the whole value chain

- Discover how peers are transforming big data into smart data
- Hear best practices in data storage and management as well as data computing and processing
- Understand how data can help in population and public health
- Conquer the challenges of data security and protection
- Learn about applications of AI and machine learning

THE EXHIBITION

Solution-led with product and service providers

- Explore the best services and products in the market
- Network with other industry leaders to do business and share knowledge as the industry moves forwards
- Build new contacts and strengthen your existing relationships
- Be part of the innovation and showcase your offerings in the Innovation Zone
- Share your work and achievements with your industry peers in the Poster Zone

INVALUABLE NETWORKING

Opportunities for you to meet and do business over the course of the Congress

- Networking drinks reception: Our evening networking drinks reception at the close of day one will allow you to unwind with your peers and continue conversations in good company.
- Networking lunches: Our extended lunch periods will provide you with ample time to network between sessions and allow for more opportunities for casual conversations and business introductions.
- Roundtable discussions: With moderators to lead discussions on key topics, you will take your engagement and learnings to a new level in this interactive and results-driven setting.

For more information visit www.terrapinn.com/biodata2017

2017 SPEAKERS



Alexander Krupp
Head of Computational Life
Science IT Pharmaceuticals
Bayer



Andrew Roddam
Vice President & Global Head
Epidemiology
GSK



Antonio Criminisi
Principal Researcher
Microsoft Research



Athula Herath
Global Head of RWE Disease
Epidemiology
Novartis



Bissan Al Lazikani
Head of Data Science
Institute of Cancer
Research



Bronwyn Kerr
Honorary Clinical Professor
of Paediatrics and Clinical
Genetics
University of Manchester



Claus Nielsen
Public Affairs
Data for Good Foundation



David Fenstermacher
Vice President R&D
Bioinformatics
MedImmune



David Jenkinson
Chief Scientific Officer
The Brain Tumour Charity



David Pearce
President
Sanford Research



David Smith
Professor of Laboratory
Medicine and Pathology
Mayo Clinic



Dipak Kalra
President
The European Institute for
Innovation through Health
Data



Ed Addison
Co-founder, Chairman and
Chief Executive Officer
Cloud Pharmaceuticals



Eerke Boiten
Professor of Cyber Security
De Montfort University



Ena Wang
Research Chief, Translational
Medicine
Sidra Medical and
Research Center, Qatar



Ioannis Xenarios
Director, Swiss-Prot/Vital-IT
Group
Swiss Institute of
Bioinformatics



James Weatherall
Executive Director & Head,
Advanced Analytics Centre
AstraZeneca



Jan Kuentzer
Head, Data Science
Application Services, pRED
Informatics
Roche Innovation Center



Jennifer Hall
Chief, Institute for Precision
Cardiovascular Medicine
American Heart
Association



Jo Churchill MP
Chair
APPG on Personalised
Medicine



John Ainsworth
Director
Connected Health Cities



Sir John Burn
Non-executive Director
NHS England
& Professor of Clinical
Genetics
Newcastle University



Julia Wilson
Associate Director
Wellcome Trust Sanger
Institute



Kai-Gerhard Bosch
Cloud/Emerging Technology
Architect
Merck KGaA



Keith McNeil
Chief Clinical Information
Officer
NHS England



Maria Chatzou
Research Bioinformatics
Engineer
Center for Genomic
Regulation
& President
Innovation Forum Barcelona



Mathew Woodwark
Director of Research
Bioinformatics
MedImmune



Matthieu-P. Schapranow
Program Manager E-Health
Hasso Plattner Institute



Michaela Th. Mayrhofer
Senior Project Manager &
Chief Policy Officer of the
Common Service of Ethical,
Legal and Societal Issues
BBMRI-ERIC



Misha Kapushesky
Chief Executive Officer
Genestack



Natalie Banner
Policy Adviser
Wellcome Trust



Patrick Keohane
Chief Medical Officer
Benevolent AI



Pearse Keane
NIHR Clinician Scientist
and Honorary Consultant
Ophthalmologist
Moorfields Eye Hospital
NHS Foundation Trust



Philip Quinlan
Director
UKCRC Tissue Directory
and Coordination Centre



Philippe Sanseau
Head Computational Biology
and Stats
GSK



Radouane Oudrhiri
Chief Data Scientist
Eagle Genomics



Rebecca Lumsden
Head of Science Policy
ABPI



Richard Scott
Clinical Lead for 100,000
Genomes Project Rare
Disease
Genomics England



Ruth March
Vice President and Head of
Personalized Healthcare and
Biomarkers
AstraZeneca



Serena Scollen
Head of Human Genomics and
Translational Data
ELIXIR



Shahid Hanif
Head of Health Data and
Outcomes
ABPI



Sharmini Alagaratnam
Principal Researcher
BigMed (DNV GL Research)



Sobia Raza
Senior Policy Analyst, Data
Science
PHG Foundation



Stuart Bayliss
Business Support Manager
Manchester Centre for
Genomic Medicine



Tim Guilliams
CEO
Healx



Timothy Stitt
Head of Scientific Computing
Earlham Institute



Tom Chittenden
Vice President, Statistical
Sciences and Founding
Director, Advanced Artificial
Intelligence Research
Laboratory
WuXi NextCODE Genomics



Tony Whetton
Director
Stoller Biomarker
Discovery Centre

KEYNOTE: IMPLEMENTING BIG DATA ACROSS LIFE SCIENCES R&D AND DRUG DISCOVERY

One-on-one interviews with some of biodata's principal thought-leaders, discussing what they are doing to enable the implementation of big data across their R&D pipelines

09:00

Keynote Interview: Update on AstraZeneca's Integrated Genomics Initiative



Ruth March, Vice President and Head of Personalized Healthcare and Biomarkers, **AstraZeneca**

10:00

Speed Networking
A fun, exciting and effective way to make a lot of initial connections (in a very different environment from the standard business networking meetings).

10:20

Networking refreshment break

ROUNDTABLES AND PANELS
(2 rotations of 40 minutes)

11:40	Roundtable 1: Dealing with public views on medical data use Eerke Boiten, Professor of Cyber Security, De Montfort University	Panel 1: BioData, Brexit and the European Union Rebecca Lumsden, Head of Science Policy, ABPI Michaela Th. Mayrhofer, Senior Project Manager & Chief Policy Officer of the Common Service of Ethical, Legal and Societal Issues, BBMRI-ERIC
	Roundtable 2: Agrigenomics - sustainability of a global food supply Timothy Stitt, Head of Scientific Computing, Earlham Institute	
12:20	Roundtable 3: Paediatrics and WGS	Panel 2: BioData and Rare Diseases David Pearce, President, Sanford Research Bronwyn Kerr, Honorary Clinical Professor of Paediatrics and Clinical Genetics, University of Manchester Tim Guilleams, CEO, Healx
	Roundtable 4: Liquid Biopsy: Opportunities and Challenges	

13:00

Networking refreshment break

	DATA STORAGE & MANAGEMENT	DATA COMPUTING & PROCESSING	TRANSFORMING BIG DATA INTO SMART DATA	DATA DISCOVERY & GENERATION
	Data Integration & Interoperability	Up in the Cloud	Rare Diseases	Data Discovery & Generation
14:20	Integrating proteomics in precision medicine Tony Whetton, Director, Stoller Biomarker Discovery Centre	Case Study: Federated In-Memory Database System (FIMDB) Matthieu-P. Schapranow, Program Manager E-Health, Hasso Plattner Institute	Collecting and storing standardised clinical data within rare diseases Richard Scott, Clinical Lead for 100,000 Genomes Project Rare Disease, Genomics England	Standardising data capture Julia Wilson, Associate Director, Wellcome Trust Sanger Institute
14:40	Infrastructure development for Europe's human genomics data Serena Scollen, Head of Human Genomics and Translational Data, ELIXIR	Lessons learnt from implementing a cloud initiative in pharma Kai-Gerhard Bosch, Cloud/ Emerging Technology Architect, Merck KGaA	The role of data in drug repurposing for rare diseases Tim Guilleams, CEO, Healx	How micro-physiological systems (MPS) are enabling innovations in data generation Lorna Ewart, Head of IMED MPS Centre of Excellence, AstraZeneca
15:00	Genomic data sharing and integration for clinical applications Sobia Raza, Senior Policy Analyst, Data Science, PHG Foundation	Using the cloud in drug discovery and design Ed Addison, Co-founder, Chairman and Chief Executive Officer, Cloud Pharmaceuticals	Case Study: GenIDA Jean-Louis Mandel, Professor of Human Genetics, Collège de France	Biobanks as a data resource Philip Quinlan, Director, KCRC Tissue Directory and Coordination Centre
15:20	Data Curation Radouane Oudrhiri, Chief Data Scientist, Eagle Genomics		Precision medicine in cystic fibrosis Stuart Elborn, Clinical Professor of Respiratory Medicine, Centre Director for Specialist Adult Cystic Fibrosis, Royal Brompton Hospital and Clinical Chair in Respiratory Medicine, Imperial College London	

15:40	Networking refreshment break		
	DATA STORAGE & MANAGEMENT	DATA COMPUTING & PROCESSING	TRANSFORMING BIG DATA INTO SMART DATA
	Open-Source Data Models	NGS & NGS Informatics	Other Therapeutic Areas
16:25	Case Study: Open Targets Philippe Sanseau, Head Computational Biology and Stats, GSK	Highly scalable NGS data processing between research and clinic Peter Frommolt, Head of Bioinformatics Facility, University Of Cologne	Renal virtual clinics and online monitoring of kidney disease Patrick Harnett, Consultant Physician and Nephrologist, Renal Unit, Southend University Hospital NHS Foundation Trust
16:45	Data-sharing across borders: A Nordic case study Sharmini Alagaratnam, Principal Researcher, BigMed (DNV GL Research)	Adoption of NGS in the Mayo Clinic David Smith, Professor of Laboratory Medicine and Pathology, Mayo Clinic	New Releases from the American Heart Association's Institute for Precision Cardiovascular Medicine Jennifer Hall, Chief, Institute for Precision Cardiovascular Medicine, American Heart Association
17:05			Case Study: Moorfields Eye Hospital - DeepMind Health Collaboration Pearse Keane, NIHR Clinician Scientist and Honorary Consultant Ophthalmologist, Moorfields Eye Hospital NHS Foundation Trust
17:25	Enabling precision medicine through international open-source data sharing	Case Study: The Qatar Genome Project Ena Wang, Research Chief, Translational Medicine, Sidra Medical and Research	Case Study: Diabetes Mark Ibberson, Bioinformatics Scientist, Vital-IT, Swiss Institute of Bioinformatics
17:45	End of Day 1 - Networking Drinks Reception		

For more information visit
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08:55	Chair's remarks and recap of day 1 Jo Churchill MP, Chair, APPG on Personalised Medicine			
KEYNOTE: IMPLEMENTING BIG DATA ACROSS HEALTHCARE SYSTEMS				
09:00	Keynote Interview: Healthcare & Data: Implementing the NHS patient “data lake”			Keith McNeil, Chief Clinical Information Officer, NHS England
09:40	Panel: Data Security & Protection: Where is the patient in all of this? Sir John Burn, Non-executive Director, NHS England & Professor of Clinical Genetics, Newcastle University Natalie Banner, Policy Adviser, Wellcome Trust			
10:20	Networking refreshment break			
	DATA STORAGE & MANAGEMENT	BIODATA OF THE FUTURE	TRANSFORMING BIG DATA INTO SMART DATA	POPULATION & PUBLIC HEALTH
	Data Security & Protection	Innovations in BioData	Cancer	BioData and Epidemiology
11:05	Governance requirements for electronic health records and reuse for research Dipak Kalra, President, The European Institute for Innovation through Health Data	Setting the computational standard for scalable genomics and personalised medicine analysis Maria Chatzou, Research Bioinformatics Engineer, Center for Genomic Regulation & President, Innovation Forum Barcelona	Case Study: Translational bioinformatics in oncology Emanuele De Rinaldis, Head of Translational Bioinformatics, NIHR Biomedical Research Centre & Honorary Senior Lecturer, King's College London	Understanding disease outcomes with biodata Athula Herath, Global Head of Real World Evidence Disease Epidemiology, Novartis
11:25	Data privacy requirements in pharma	How Artificial Intelligence is innovating drug discovery and development Patrick Keohane, Chief Medical Officer, Benevolent AI	Biodata and research into brain tumours David Jenkinson, Chief Scientific Officer, The Brain Tumour Charity	Link between population-level epidemiology and genetic data Andrew Roddam, Vice President & Global Head Epidemiology, GSK
11:45	Security, standards and compliance in biodata	Statistical strategies in pharma R&D	Integrating knowledge biocuration with computational biology in cancer Ioannis Xenarios, Director, Swiss-Prot/Vital-IT Group, Swiss Institute of Bioinformatics	Microbial Bioinformatics and Epidemiology Owen Lancaster, Bioinformatics and Epidemiology Analyst, Public Health England
12:25	Networking lunch break			
	DATA STORAGE & MANAGEMENT	BIODATA OF THE FUTURE	TRANSFORMING BIG DATA INTO SMART DATA	POPULATION & PUBLIC HEALTH
	Successful Strategies for R&D Data Management	Applications of AI & Machine Learning with BioData	BioData for Health Systems	BioData for Population and Public Health Applications
13:30	“How to eat the elephant”: A review of information architecture Alexander Krupp, Head of Computational Life Science IT Pharmaceuticals, Bayer	AI methodologies and optimisation within childhood cancer Bissan Al Lazikani, Head of Data Science, Institute of Cancer Research	Lessons learnt from changing clinical pathways to embed genomic testing Stuart Bayliss, Business Support Manager, Manchester Centre for Genomic Medicine	IT strategies for scientific modelling and real world data Ian Smith, Director - Scientific Modeling and Real World Data, MSD
13:50	IT for translational science	Artificial Intelligence & machine learning applications in clinical development: Present & future James Weatherall, Executive Director & Head, Advanced Analytics Centre, AstraZeneca	Case Study: Connected Health Cities and the ‘Learning Health System’ John Ainsworth, Director, Connected Health Cities	“Predictive Prevention” Claus Nielsen, Director - Public Affairs, Data for Good Foundation

14:10	Addressing the pain points of bioinformatics R&D in the post-genomic era Misha Kapushesky, Chief Executive Office, Genestack	Machine learning for medical image analysis Antonio Criminisi, Principal Researcher, Microsoft Research	Health IT: A value-added set of tools to improve practices within hospitals	Incorporating real-life clinical data into drug development
14:30	How to manage data in a more structured way Jan Kuentzer, Head of Data Science Application Services, pRED Informatics, Roche Innovation Center Munich	Novel feature selection strategies for enhanced predictive modelling and deep learning in the biosciences Tom Chittenden, Vice President, Statistical Sciences and Founding Director, Advanced Artificial Intelligence Research Laboratory, WuXi NextCODE Genomics		
14:50	Networking refreshment break			
	CLOSING KEYNOTE: HORIZON SCOPING IN BIODATA			
15:20	Panel: The Future of Big Data within Life Sciences James Weatherall, Executive Director & Head, Advanced Analytics Centre, AstraZeneca John Wise, Executive Director, Pistoia Alliance			
16:00	End of Day 2 - See you next year!			

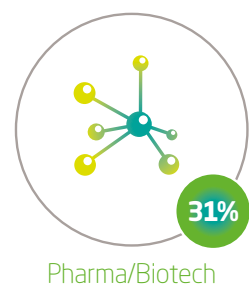
For more information visit
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Would you like to speak at an upcoming
BioData World Congress event?

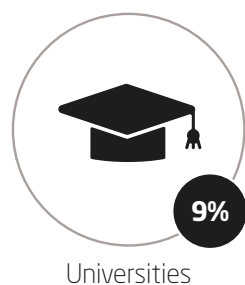
Contact **Hannah Mahoney**
on **+44 (0)207 092 1144**
or **hannah.mahoney@terrapinn.com**
for more information.

WHO ATTENDED IN 2016

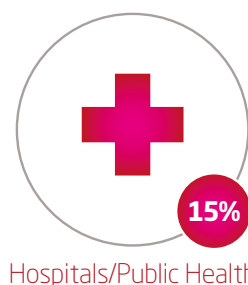
Industries attending



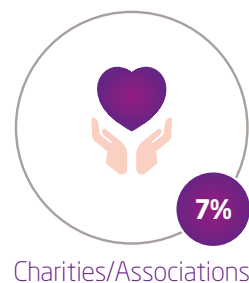
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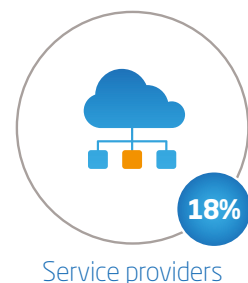
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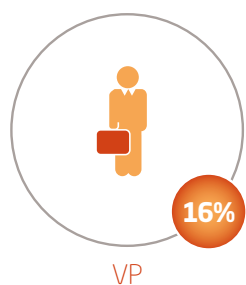
Job titles



27%



35%



16%



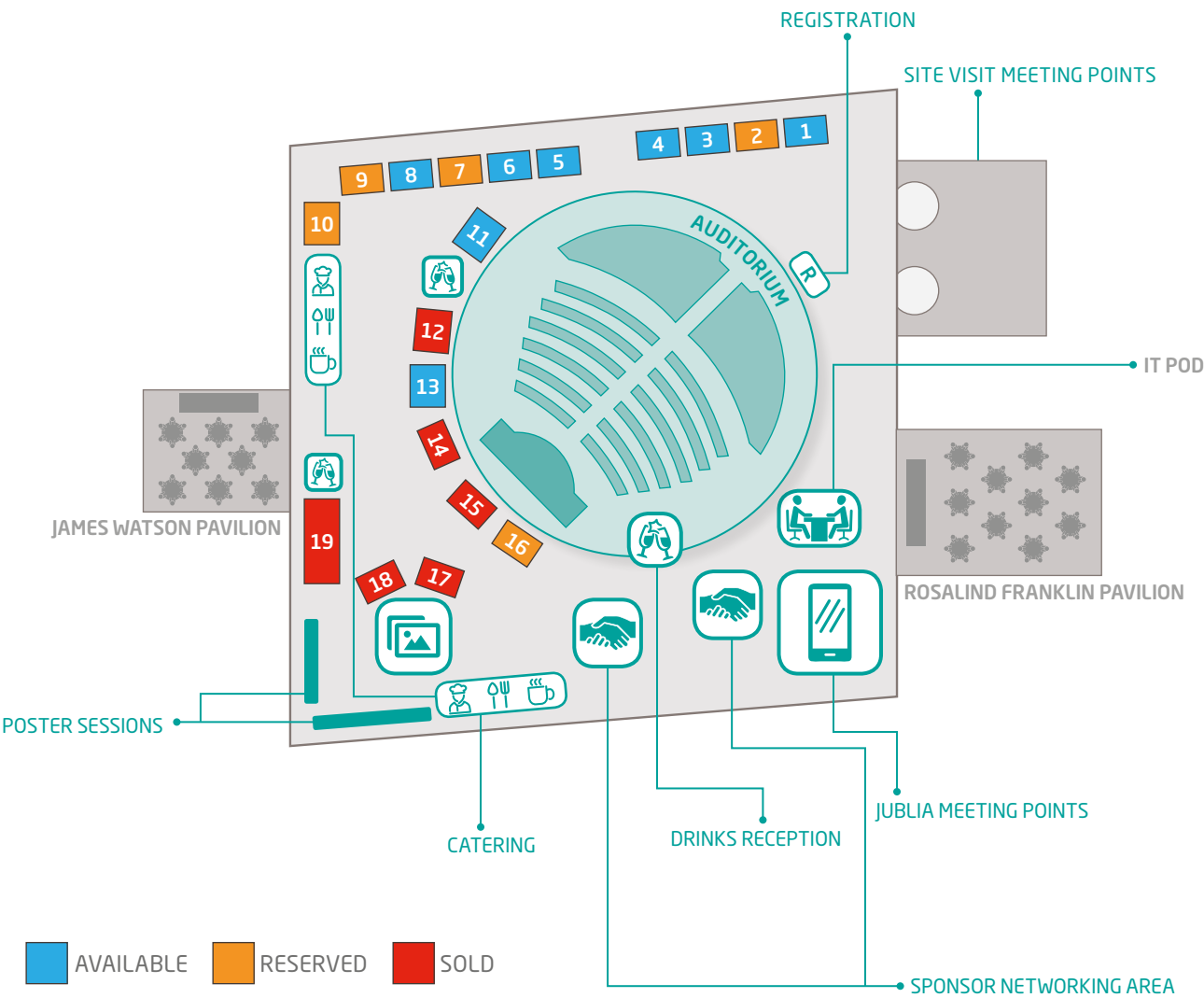
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If this sounds like the target market you'd like to reach then please call **Alistair Wilmot** on +44(0) 207 092 1174 or email alistair.wilmot@terrapinn.com

HERE'S A SAMPLE OF WHO ATTENDED IN 2016



FLOORPLAN



2017 SPONSORS



To exhibit, sponsor or speak at this year's event call **Alistair Wilmot** on **+44(0) 207 092 1174** or email **Alistair.Wilmot@terrapinn.com**

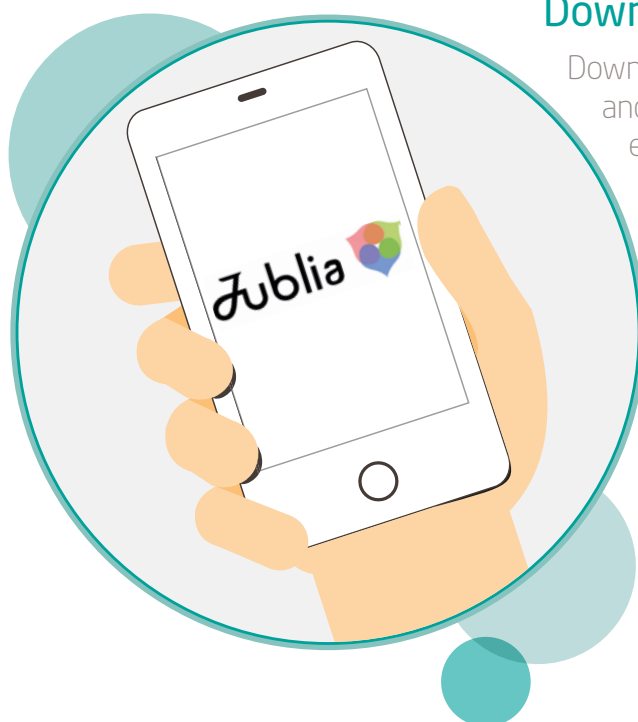
SPONSORSHIP PACKAGES

	TITLE SPONSOR	PLATINUM	GOLD	SILVER	BRONZE	EXHIBITOR	INNOVATION SPONSOR
Keynote presentation	X	X					
Keynote panel			X				
Track presentation	X	X	X	X			
Roundtable	X				X		
Innovation Presentation							x
Networking Manager	X	X	X	X			
Passes	10	6	4	3	2	2	1
Booth	6X2	6x2	6x2	3X2	3X2	3X2 or 6x2	Innovation Booth
Attendee List	X	X	X	X			
Logo on marketing materials	X	X	X	X	X	X	X
Logo on on-site signage	X	X	X	X	X	X	X

To exhibit, sponsor or speak at this year's event call **Alistair Wilmot** on **+44(0) 207 092 1174** or email **Alistair.Wilmot@terrapinn.com**

NETWORKING

We know the importance of networking and offer an experience which allows you to do just that. With the bespoke Jublia mobile app, dedicated networking managers and peer-to-peer partnering, we ensure that you get the most from your time on site.



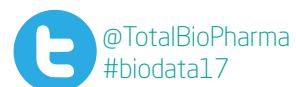
Download our networking app

Download our networking app to get organised and get in touch with all attendees before the event.

Use the Jublia portal to:

- Plan your sessions
- Build a personalised agenda
- Identify exhibitors to visit
- Set up onsite meetings with key executives.
- Network with other attendees

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BIANCA GELDENHUYS

Take advantage of this dedicated and personalised meeting service. Hold meetings with pre-qualified partners arranged by your networking manager in your private on-site meeting room.

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"Good range of topics"

Director of Tissue Diagnostics
UK and Ireland, **Hoffmann La Roche**

"Well organised meeting with interesting content."

Business Development Manager, **NIHR Clinical Research Network**

"Great networking opportunities"

Senior Business Development Executive, **Metabolon Inc.**

"It was really great!"

CEO & co-founder, **Genialis**

"Meeting was well defined, meeting needs of a niche area. Brings together key sectors and a good range of speakers covering all relevant areas."

Business Support Manager, Centre for Genomic Medicine, **Central Manchester University Hospitals N.H.S. Foundation Trust**

"Very good opportunity to hear what is happening in the industry and network with stakeholders from a wide variety of backgrounds."

Manager of Project and Transformation, **Chelsea and Westminster Hospital N.H.S. Foundation Trust**

Get involved now at www.terrapinn.com/biodata2017

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The earlier you book, the more you'll save.

It is really easy to book your place online.

Our online calculator will ensure you take advantage of the best deal.

Go online and book now on

www.terrapinn.com/biodata2017



PACKAGE	BEFORE 2 JUNE	BEFORE 7 JULY	BEFORE 11 AUG	BEFORE 1 SEPT	BEFORE 22 SEPT	BEFORE 13 OCT	FINAL PRICE
Vendor Package	£1395 SAVE £600	£1495 SAVE £500	£1595 SAVE £400	£1695 SAVE £300	£1795 SAVE £200	£1895 SAVE £100	£1995
Pharma/ Biotech Package	£400 SAVE £300	£450 SAVE £250	£500 SAVE £200	£550 SAVE £150	£600 SAVE £100	£650 SAVE £50	£700
Academic/Public sector	£150 SAVE £250	£175 SAVE £225	£200 SAVE £200	£250 SAVE £150	£300 SAVE £100	£350 SAVE £50	£400

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With two days and four streams packed full of great content and networking opportunities, you can't possibly cover it alone!

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or call **+44 (0)207 092 1210**

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