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March 19-21, 2019 | Boston

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ICI-IO COMBINATIONS
SUMMIT 2019

Revolutionizing Combination Selection Processes to Optimize Response Rates, Effectiveness & Safety

A Case Study Based Look at IO Combinations in the
Context of the Cancer Immunity Cycle

Expert Speakers Including:



Stephen Doberstein
Senior Vice President
Research & Development
and Chief of Research &
Development
NEKTAR Therapeutics



Beth Trehu
Chief Medical Officer
Jounce Therapeutics



Raphael Clynes
Vice President of
Translational Biology
Xencor



Patrick Holder
Protein Chemistry
Scientist
Genentech



Jochem Gokelmeijer
Associate Director
Bristol-Myers Squibb



Catherine Sabatos-Peyton
Director
Novartis



Osama Rahma
Assistant Professor
**Dana-Farber Cancer
Institute**



Mithun Khattar
Scientist & Immuno-
Oncology Lead
Takeda



Paul Moore
Vice President - Cell
Biology & Immunology
MacroGenics

Partners: **MITRA BIOTECH** 

 **applied
biomath**

 **Personalis**

IMMUDEx

Tel: +1 617 455 4188 Mail: info@hansonwade.com

 Immune Checkpoint Inhibitors  @ici_checkpoint


hansonwade

Increasing Effectiveness and Safety of IO Combinations

This industry-led meeting will focus on how **checkpoint combinations can impact every stage of the cancer immunity cycle**; enhancing patient outcomes.

The unique format of the agenda offers a complete perspective of the effects of adaptive and innate immune components on combination success. Appreciate insights on the latest data on how drug developers are targeting of immune checkpoints, myeloid cells, cytokines, stromal cells, STING and kinase pathways such as Wnt & PI3K.

Breaking down these case-studies gives the opportunity to take un-pick specific preclinical, translational and clinical challenges. Bringing forward new ideas and concepts that you can build into your combination rationale. Stop taking shots in the dark, and start formulating calculated, precise studies that will yield results and true clinical value.

Hear What Previous Attendees Have To Say

Great meeting, very informative, great to see what other companies are working on in the field of cancer immunotherapy

Genentech

This conference was of outstanding value. First class presentations, great opportunity for networking and perfect logistics

AstraZeneca

Great opportunity for discussions between large pharma, small start ups, academia and regulatory authorities

Merck

An Unparalleled Depth of Insights

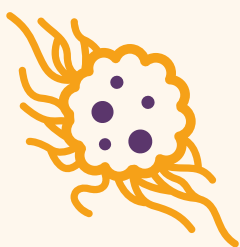
1.

Improve your combination rationale with a greater mechanistic understanding of the cancer immunity cycle and how combinations work within it



2.

Learn how Nektar Therapeutics supercharge the tumor microenvironment to **optimize the effectiveness of checkpoint modulators** through the use of cytokines



3.

Hear how Jounce Therapeutics reverse translated their ICOS - containing combination when it didn't perform as expected to **better inform future decision making**



4.

Take apart the current approaches to target identification from biological and protein chemistry perspectives to **find a faster, more efficient path to preclinical testing** with a discussion between panelists from Genentech, Novartis and FusionBio



5.

Predict and plan for future roadblocks to development through our interactive workshops on **preclinical development of IO combinations** and **maximizing the anti-tumor capability of the innate immune system**



YOUR EXPERT SPEAKERS



John M. Burke
Co-Founder, President,
and Chief Executive
Officer
Applied Biomath



Amy-Jo Casbon
Immunotherapy &
Oncology Scientist
Amgen Inc.



Raphael Clynes
Vice President of
Translational Biology
Xencor



Viviana Cremasco
Investigator
Novartis



Stephen Doberstein
Senior Vice President
Research & Development
and Chief of Research &
Development
NEKTAR Therapeutics



Cedric Dos Santos
Principal Scientist Heme,
Oncology, Clinical
Biomarkers & Therapeutic
Areas Lead
Amgen Inc.



Hans Van Eenemann
Executive Vice President
Antibody Research and
Site Head
Aduro Biotech



Shanthi Ganesh
Associate Director
Dicerna



Personalis
Speaker TBC



Jochem Gokelmeijer
Associate Director
Bristol-Myers Squibb



Jeremy Graff
Chief Scientific Officer
Biothera



Patrick Holder
Protein Chemistry
Scientist
Genentech



Mithun Khattar
Scientist & Immuno-
Oncology Lead
Takeda



Paul Moore
Vice President - Cell
Biology & Immunology
MacroGenics



Bruno Osterwalder
BO Consulting



Mark Paris
Director, Translational
Applications Biopharma
Business Development
Mitra Biotech Inc.



Weiyi Peng
Assistant Professor
**MD Anderson Cancer
Centre**



Osama Rahma
Assistant Professor
**Dana-Farber Cancer
Institute**



Paul Rennert
President and Chief
Scientific Officer
Aleta Biotherapeutics



**Catherine Sabatos-
Peyton**
Director
Novartis



Beth Trehu
Chief Medical Officer
Jounce Therapeutics



Wim Van Schooten
Chief Scientific Officer
TeneoBio



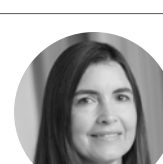
Eva Vanamee
Co-Founder
Fusion Bio



Bei Wang
Staff Scientist
Regeneron



Mark Yore
Manager of Corporate
Development
Jounce Therapeutics



Sarah McWhirter
Director - Sting Program
Aduro Biotech

PRE-CONFERENCE WORKSHOP DAY

MARCH 19, 2019

Pre-Clinical Development Challenges in Checkpoint Modulators and IO Combinations

9:00am - 12:00pm

The path to clinical success begins in the lab. We have seen a lot of molecules struggled through clinical phases due to a lack of pre-clinical understanding.

This workshop will give you the practical skills and insight to help you make informed decisions at the preclinical phase, leading you to more robust and reliable results at the trial stage. Through case studies and group discussions, this interactive session will dive into the following areas, which prime your preclinical understanding prior to the main conference.

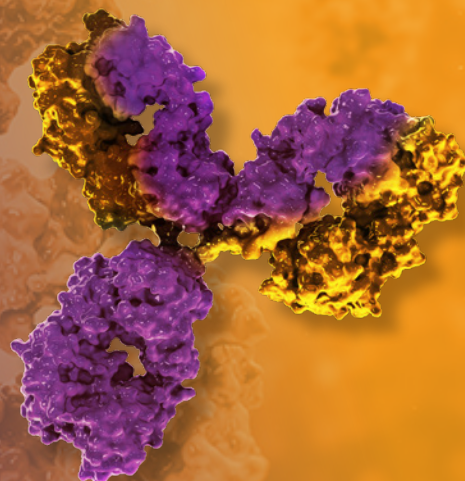
Topics that are being covered include:

- A breakdown of the models that are currently available, their relative translatability and where they can be implemented best for both ICIs and IO combinations
- An analysis of the key challenges that are being faced at the preclinical stage and the key developments that will enable us to overcome them
- Look at how you can build a robust scientific rationale at the preclinical stage to drive greater success at the clinical phase



Mithun Khattar
Scientist & Immuno-
Oncology Lead
Takeda

■ ■ Excellent meeting. Great opportunity for discussions between large pharma, small start ups, academia and regulatory authorities ■ ■
Merck



CONFERENCE DAY ONE

MARCH 20, 2019

	8.30 Chair's Opening Remarks
Mark Yore Manager of Corporate Development Jounce Therapeutics	8.40 Navigating the complex ICI-IO landscape – Recent updates and Future Challenges - As the number of CPI-IO trials continue to grow at unprecedented rates, understanding the complex nature of this landscape is critical for clinical and commercial success - During the presentation I will discuss the landscape as it stands today, how it's evolving, and key challenges that face ICI-containing IO-combinations in the future
Paul Rennert President and Chief Scientific Officer Aleta Biotherapeutics	9.10 Establishing a New Set of Biological Goals for Checkpoint Inhibitors and IO Combinations - Look at the current standards that are in place for ICIs and IO combinations - Set new goals that scientists must strive to achieve in order to set a new standard of care
John M. Burke Co-Founder, President, and Chief Executive Officer Applied Biomath	9.40 Model Aided Drug Invention Case Study: GITR-Mediated T Cell dynamics in Mouse Tumor Micro Environment - Model Aided Drug Invention (MADI) is a mechanistic mathematical modeling approach used to help reduce late stage attrition rates, help accelerate the development of premier (or best-in-class) therapeutics and identify potential R&D hurdles - In this collaboration, a MADI approach was used to develop and analyze a systems pharmacology model of an anti-GITR (Glucocorticoid-Induced TNFR-Related protein) agonist antibody to predict Treg and Teff dynamics in the tumor microenvironment in two syngeneic mouse models following administration of anti-GITR agonist antibody - The model adequately described the time profiles of intratumoral Treg and Teff, captured Teff immune checkpoint, Treg depletion by ADCP, and Teff proliferation and differentiation into cytotoxic T lymphocytes (CTLs). The model also provided a quantitative understanding of the trade-off between maximizing Treg depletion vs. Teff agonism
	10.10 Speed Networking & Morning Refreshments
Broadening Understanding of the Biological Effects of Checkpoint Inhibitors	
Stephen Doberstein Senior Vice President Research & Development and Chief of Research & Development NEKTAR Therapeutics	11.30 Supercharging the Tumor Microenvironment: Lessons from NKTR-214 and Opdivo - The idea of combining the immune modulating properties of checkpoint inhibitors and the immune stimulating function of engineered cytokines is conceptually powerful - Cytokine engineering can alternative cytokines to be more powerful medicines, while controlling adverse events - The combination of NKTR-214 with opdivo has demonstrated powerful anti tumor effects and profoundly alters the tumor microenvironment, increasing effector T-cell counts, increasing PD-1 expression on tumor T-cells, and converting PD-L1 negative tumors to positive, while maintaining a more tolerable AE profile than traditional cytokine therapies
Mark Paris Director, Translational Applications Biopharma Business Development Mittra Biotech Inc.	12.00 A Clinically-Predictive Ex-Vivo Tumor Modelling Platform for Drug Discovery and Development - Mittra Biotech has developed and clinically validated a fully human ex-vivo tumor platform technology (CANscript™) - CANscript™ uses patient material (tumor, autologous ligands and PBMCs) to explore the mechanism of action and predict efficacy for clinically-directed compounds in a modality agnostic way using phenotypic readouts - This talk will explore how we use CANscript to measure the effect of checkpoint inhibitor monotherapy or combination to deepen our understanding of response and resistance

 Beth Trehu Chief Medical Officer Jounce Therapeutics	12.30 Lessons Learned from a Clinical Trial Targeting ICOS - JTX-2011, an ICOS agonist, was evaluated as monotherapy and in combination with nivolumab in the ICONIC trial - Responses and tumor reductions observed with monotherapy and combination were associated with a mechanism related pharmacodynamic biomarker - Reverse translational analyses enabled by biomarkers have redirected JTX-2011 clinical development strategy
	13.00 Lunch
Discovery Enhancing Therapy Efficacy at the Preclinical Level	Translational Overcoming Resistance & Personalizing Combination Therapies
14.00 RNAi-mediated Inhibition of β-Catenin Increases Responses to Multiple Immunotherapy Regimens Across a Spectrum of Preclinical Tumor Models - A systemically-administered RNAi drug product targeting β-catenin increases APCs and cytotoxic T-cells in the TME, and promotes synergistic efficacy in combination with immunotherapy in multiple preclinical models - Identification of a novel mechanism by which Wnt/β-catenin signaling promotes resistance to immunotherapy - Strategies to rationally design RNAi-containing drug combinations to increase the response rates to checkpoint blockade and IDO inhibition Shanthi Ganesh, Associate Director – Oncology, Dicerna	14.00 Targeting the PI3K Pathway to Overcome Immune Resistance - Discuss how tumor intrinsic signaling pathways modulate T cell-mediated antitumor immune responses. - Identification of the mechanism by which oncogenic activation of the PI3K pathway promotes immune resistance - Development of therapeutic strategies to improve the efficacy of cancer immunotherapy by combining with PI3K inhibition Weiyi Peng, Assistant Professor, MD Anderson Cancer Centre
14.30 Delineating Myeloid Cell Subsets and Their Role in Response to Cancer Immunotherapy - Myeloid cell subsets associated with immune suppression and immune activation in cancer - Combination therapies reveal new insights into the pro- and anti-tumor contribution of myeloid cells in cancer - Emerging novel strategies for targeting myeloid cells to enhance cancer immunotherapy Amy-Jo Casbon, Scientist – Oncology Research, Amgen	14.30 Discuss Our Innovative Platform and Core Technology Designed to Overcome Key Challenges in NGS from Poor Sample Quality and Quantity to Sequencing Gaps - Introduce Personalis platform for neoantigen identification and biomarker discovery - Enable comprehensive characterization of tumor immunogenomics including neoantigens, the tumor microenvironment, HLA, immunomodulators and mechanisms of tumor escape Speaker TBC, Personalis
15.00 Bispecific and Biparatopic Human Heavy Chain Antibodies in Immune Oncology - Discuss different formats of T cell engaging bispecific antibodies - Explore biparatopic heavy chain antibodies against CD38 Wim Van Schooten, Chief Scientific Officer, TeneoBio	15.00 BiTE® in Hematologic Malignancies: a Road to a Cure? - Review Blincyto® Biomarker data for R/R B-ALL patients with an emphasis on predictive and/or prognostic biomarkers, pharmacodynamic, mechanism of action and drug resistance mechanisms post treatment. - Review biomarkers data for other Hem/Onc BiTE® molecules currently in Phase 1 Cedric Dos Santos, Principal Scientist - Heme, Oncology, Clinical Biomarkers & Therapeutic Areas Lead, Amgen
	15.30 Afternoon Refreshments
Stages 1 – 3: Improving Cancer Antigen Presentation, Driving Stronger Priming and Immune Activation	
 Sarah McWhirter Director - Sting Program Aduro Biotech	16.00 STING Pathway Activation Enhances Checkpoint Blockade to Elicit an Anti-Tumor CD8+ T Cell Response in Preclinical Models - Describe the rationale for targeting STING within the tumor microenvironment and the mechanism of optimal STING-induced anti-tumor CD8+ T cell immunity - Highlight how STING activation enhances the therapeutic effect of checkpoint inhibition - Explore the immune correlates associated with the combination of STING agonist-based immunotherapy and checkpoint inhibition
 Bei Wang Staff Scientist Regeneron	16.30 T Cell Dysfunction and Combination Immunotherapy - Single-cell analysis of tumor-infiltrating lymphocytes to probe the mechanisms for combination immunotherapy - PD1/GITR combination immunotherapy led to a synergistic increase in tumor antigen-specific memory precursor effector T cells dependent on availability of the CD226 costimulatory pathway
17.00 Chair's Closing Remarks	

CONFERENCE DAY TWO

MARCH 21, 2019

	8.30 Chair's Opening Remarks
Jeremy Graff Chief Scientific Officer Biothera	8.40 Re-Training Innate Immunity: Combining the Novel Beta Glucan, Imprime PGG, with Checkpoint Inhibitors to Drive a Robust, Coordinated Anti-Cancer Immune Response - Imprime PGG binds directly to cells of the innate immune system driving innate immune cell-mediated tumor killing, re-orienting macrophage polarization and enhancing antigen presentation capacity - Imprime PGG thereby stimulates T cell-mediated immunity - Imprime PGG mechanistically complements immune checkpoint inhibitor therapy to trigger a robust anti-cancer immune response
Raphael Clynes Vice President of Translational Biology Xencor	9.10 T Cell Engagers, Checkpoints and Cytokines to Broaden Immune Responses to Cancer - IO therapy is limited by poor immune recognition, multiple checkpoints and insufficient T cell infiltration - Xencor's pipeline is focused on overcoming these obstacles to broaden the reach of IO therapy - CD3 bispecifics overcome limited immune recognition by directly activating T cells by targeting common hematologic and solid tumor specific targets (CD20, CD123, SSTR2). Clinical trials and next gen approaches will be discussed - Bispecific checkpoints clinical trials have been initiated at Xencor (DUET studies) targeting PD1, CTLA4, ICOS and LAG3. Rationale, preclinical antitumor activity and clinical plans/updates will be discussed - Rationally designed T cell cytokines (IL-15 and others) with T cell targeting and long acting pharmacodynamic preclinical activity will be discussed that potentially enhance intratumoral T cell infiltration
Patrick Holder Protein Chemistry Scientist Genentech Catherine Sabatos-Peyton Director Amgen Eva Vanamee Co-Founder FusionBio	9.40 Panel Discussion: Mind the Gap - Considering New Targets from Biological Rationale to Therapeutic Protein Delivery - Hear the perspectives from both biological and protein chemistry sides of the discussion - Hone in on the key areas where each function can support one another in their shared goal of accelerating more clinically relevant IO drugs - Look at the future targets for ICIs and IO combination therapies and assess their true value
	10.30 Morning Refreshments

Discovery	Translational
Preclinical Testing and Tumor Modelling	Clinical Biomarkers, Immunogenicity and Toxicity
11.00 Pre-Clinical Modeling of Immune Responses to Cancer: From Bench-Side to Clinical Outcomes - Translatability of pre-clinical murine models in immunology. - Pre-clinical models for investigating combination therapies. - Fundamental differences in the immune system and tumor microenvironments of mice and humans Mithun Khattar , Scientist & Immuno-Oncology Lead, Takeda	11.00 Understanding Immune-Related Toxicities in the Era of Combination Immunotherapies - Patterns of immune-related toxicities - Factors that determine toxicities - Comprehensive program to manage and prevent immune-toxicities Osama Rahma , Assistant Professor, Dana Faber

11.30 Stromal-Imposed Immunosuppression in the Era of Checkpoint Blockade

- Mesenchymal stromal cells impinge on anti-tumor immunity
- We still lack a full understanding of the cellular and molecular mechanisms by which stromal-imposed immunosuppression is exerted
- We have identified a discrete population of FAP+ stromal cells in immune-excluded breast cancers with potent immunomodulatory potential

Viviana Cremasco, Investigator, **Novartis**

12.00 Panel Discussion: Reviewing the Future Challenges in Tumor Modeling for IO Combinations

- Review the current models and preclinical tools that are available and assess their true value in getting the results that predicate clinical successes and failures
- Identify the weak spots in current development strategies and discuss how these can be fixed

Mithun Khattar, Scientist & Immuno-Oncology Lead, **Takeda**

Viviana Cremasco, Investigator, **Novartis**

11.30 Immunogenicity of I-O Therapeutics: The Good and The Bad

- I-O therapeutic depended on manipulating immune checkpoints, one consequence of this is an decreased tolerance including the therapeutic
- Is it possible that the MOA of I-O therapeutics contribute to immunogenicity to these therapeutics
- Are I-O combination therapies increasing immunogenicity and are there strategies to screen for this preclinical
- Strategies to mitigate immunogenicity to I-O therapeutics

Jochem Gokemeijer, Associate Director, **Bristol-Myers Squibb**

12.00 Panel Discussion: What Are the Solutions to These Immunogenicity Challenges

- Consider a framework by which the effects of specific IO combos can be predicted, based on what was learnt in the talks prior
- Discuss trends that were seen between the previous presentations to solve their respective challenges
- Look at combining the capabilities of pharma and academia to solve these problems

Osama Rahma, Assistant Professor, **Dana Faber**

Jochem Gokelmeier, Associate Director, **Bristol-Myers Squibb**

12.45 Lunch

Stages 4 – 7: Trafficking and Infiltration of Immune Cells, Improving the Effectiveness Cell Destruction Mechanisms



Hans Van Eenemann
Executive Vice
President Antibody
Research and Site
Head
Aduro Biotech

13.45 Targeting the Innate CD47-SIRPα Checkpoint Using Pan-Allele SIRPα Blocking Antibodies

- Unique pan-allele SIRPα blocking antibody
- SIRPα blocking differentiates from CD47 targeting
- SIRPα blocking enhances PD-1/PDL1 blocking in vivo



Paul Moore
Vice President
MacroGenics

14.15 PD-1-Based Bispecific Antibody Therapies

- Analyzing anti-drug-antibody (ADA) responses and the integrity of your bispecific format is of paramount importance in the preclinical and clinical development of any bispecific antibody.
- The selection of the right bioanalytical tools is a key consideration of this process



Bruno Osterwalder
Founder
B.O. Consulting

14.45 Panel Discussion – How Can We Sort Through the Huge Number of Trials That are Currently Active?

- Should we pay more attention to the successes, or the failures?
- Have we made progress on developing preclinical rationales for immune-oncological combinations which will be more predictive in the clinic and allow earlier prioritization?
- What clinical data and results in early clinical development allow at the earliest point to decide to discontinue a combination?



Jeremy Graff
Chief Scientific
Officer
Biothera

15.15 Chair's Closing Remarks

PARTNER

Seize this opportunity to engage and network with the experts pioneering the immuno-oncology field

The potential of immuno-oncology combinations is clear, but in order for this potential to be realized, lessons and key insights from the companies who are directly involved in cutting edge development work must be shared and disseminated. The technical and specific focus of the ICI – IO Combinations means it is an unparalleled opportunity to engage in meaningful discussion with a focused group of experts working in the field. We are still seeking partners that will add value to the community and who can fast-track IO combination development.

Interactive sessions built into the main agenda provide extensive opportunities for you to align your services and hear industry feedback

Connect with decision makers from multiple functions at leading IO developers to form valuable business relationships

Position yourself within in discussion as the leading partner and showcase your expertise

Confirmed Partners



Expertise Partner

Mitra Biotech is a global leader in advancing personalized cancer treatment and empowering drug development & discovery. Our

phenotypic CANscript platform delivers powerful insight for our biopharma partners. Because CANscript conserves the native tumor microenvironment and delivers 1:1 clinical correlation, it can be used to predict response of an indication to a specific drug (or drug combination), or to better understand MOA of a given compound.

www.mitrabiotech.com



Expertise Partner

Applied BioMath uses mathematical modeling and simulation to provide quantitative and predictive

guidance to biotechnology and pharmaceutical companies to help accelerate and de-risk drug research and development. Their Model-Aided Drug Invention (MADI) approach employs proprietary algorithms and software to support groups worldwide in decision-making from early research through clinical trials.

www.appliedbiomath.com



Program Partner

Personalis, Inc. provides genomic solutions to support the development of personalized cancer vaccines

and other next-generation cancer immunotherapies. Our patented ACE Technology improves every step in the sequencing process, from nucleic acid extraction, to sequencing, to data analytics. This delivers augmented coverage of difficult-to-sequence genomic regions that are missed with conventional sequencing techniques. This comprehensive approach provides data of the highest quality to enable the rational design and development of effective cancer immunotherapies

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Exhibitor

Immudex manufactures MHC Dextramers, the leading MHC multimer reagent for the detection of antigen-

specific T cells. Under an agreement with the US Cancer Immunotherapy Consortium (CIC) and the European Cancer Immunotherapy Consortium (CIMT), Immudex also provides MHC Multimer and Elispot proficiency panel services worldwide.

www.immudex.com

GET INVOLVED



Denvor Oorloff

Partnerships Director

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READY TO REGISTER?

3 EASY WAYS TO BOOK



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1

Gain knowledge that will optimize your rationale when selecting Checkpoint Modulators and Combination Partners, to find the right combination sooner

2

Optimize your development process to advance your combination pipeline

3

Overcome the key roadblocks that prevent Checkpoint Modulator containing combinations from reaching the market

Team Discounts*

- 10% discount – 3 delegates
- 15% discount – 4 delegates
- 20% discount – 5 or more delegates

Please note that discounts are only valid when three or more delegates from one company book and pay at the same time.
Contact: register@hansonwade.com

SECURE YOUR PLACE

Industry Pricing	Register by Friday, December 7	Standard Price
Conference + 1 Workshop	\$3198 (save \$400)	\$3498 (save \$100)
Conference Only	\$2599 (save \$300)	\$2899
Workshops (Each)	\$699	

Small Biotech Pricing	Register by Friday, December 7	Standard Price
Conference + 1 Workshop	\$1898 (save \$400)	\$2198 (save \$100)
Conference Only	\$1599 (save \$300)	\$1899
Workshops (Each)	\$399	

*T&Cs APPLY: small biotech pricing is subject to organizer approval, see website for more details.

VENUE

The Colonnade Hotel
120 Huntington Avenue, Boston,
MA 02116, United States

For further information or assistance, please visit
www.colonnadehotel.com

TERMS & CONDITIONS

Full payment is due on registration. Cancellation and Substitution Policy: Cancellations must be received in writing. If the cancellation is received more than 14 days before the conference attendees will receive a full credit to a future conference. Cancellations received 14 days or less (including the fourteenth day) prior to the conference will be liable for the full fee. A substitution from the same organization can be made at any time.

Changes to Conference & Agenda: Hanson Wade reserves the right to postpone or cancel an event, to change the location or alter the advertised speakers. Hanson Wade is not responsible for any loss or damage or costs incurred as a result of substitution, alteration, postponement or cancellation of an event for any reason and including causes beyond its control including without limitation, acts of God, natural disasters, sabotage, accident, trade or industrial disputes, terrorism or hostilities.

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