



# Digital Revolution and Precision Medicine Conference

7th-8th Feb, 2019 • San Diego, CA

## EVENT OVERVIEW

As the era of personalized medicine is fast approaching, healthcare is becoming more personalized and tailored to the patient. Digital health platforms has helped converting medical data into a continuous, reliable and complete picture of the patient's health, and data analytics algorithms process information that is specific to individuals, leading to more personal and effective solutions.

MarketsandMarkets are proud to host its inaugural **"Digital Revolution and Precision Medicine Conference"** being held on **7th-8th February 2019** in **San Diego, CA**. The conference will focus on the innovative and disruptive digital health technologies and futuristic business models transforming the precision medicine industry. The conference further aims in bringing experts from the academics, pharma, start-ups, hospitals and technology providers who will share their recent technological breakthroughs in personalized medicine.

### WHO SHOULD ATTEND

**From pharmaceutical, start-ups, hospitals and research institutes:**

CEO, CSO, CMO, CTO, Director, VP, Head, Manager, Principal Scientist, Lead Architects, Lead Engineers, Group leaders, Clinicians, Practitioners (Physicians), Professors, Research fellows working in

- Oncology
- Radiology
- Imaging
- Drug Discovery
- R&D
- Innovation
- Technology
- Data Science
- Bioinformatics

### KEY HIGHLIGHTS

- Microbiomics and Metabolomics
- NGS for Consumers, Patients, and Medical Systems
- Role of AI in Precision Medicine
- Conversational Intelligence Technologies for Patients and Consumers
- Innovative Digital Health Technologies
- Tools in Precision Medicine for Immuno-Oncology

# MEET OUR Esteemed Speakers

## SCIENTIFIC ADVISORY PANEL



**George Pell**  
Principal & Chief Strategy  
Officer, Thirty-Six, USA



**Girish Srinivasan**  
Co-Founder, Chief Technology  
Officer, PhenoMx Inc. USA



**Prasun Mishra**  
Founder and CEO, Agility  
Pharmaceuticals, USA

## EXPERT SPEAKER PANEL



**George Pell**  
Principal & Chief Strategy  
Officer, Thirty-Six, USA



**Girish Srinivasan**  
Co-Founder, Chief Technology  
Officer, PhenoMx Inc. USA



**Prasun Mishra**  
Founder and CEO, Agility  
Pharmaceuticals, USA



**Eila Arich-Landkof**  
Founder and CEO, Oriel  
Research, USA



**Maurizio Fields**  
CEO, Kiromic, USA



**Mark Pun**  
President and CEO,  
PhenoMx, USA



**Xiao Li**  
Post-Doctoral Fellow,  
Michael Snyder Lab, Stanford  
University, USA



**Thomas Peterson**  
Post-Doctoral Scholar, Atul  
Butte Lab, UCSF Bakar Institute  
for Computational Health  
Sciences



**Gunnar Carlson**  
Professor, Department of  
Mathematics, Stanford  
University, USA



**Ally Perlina**  
Translational Science Lead  
Viome, USA



**James Bates**  
Founder and CEO, AdviNOW  
Medical, USA



**Steven Richards**  
Biomarker Investigator Expert,  
Novartis USA

## SPONSORS/EXHIBITORS





# AGENDA 2019

## DAY 01 <sup>7th February</sup> Thursday

08:15 Registration

08:55 Welcome note from MarketsandMarkets

09:00 Opening Remarks from the Chairman

09:10 Keynote Presentation

### PRECISION MEDICINE & THE SCIENCE OF YOU

09:40 **Precision Medicine: The Way Forward!**

- Recent advancements in the precision medicine field have presented a great promise to provide innovative solutions to pharmaceutical and healthcare industry to help transform medicine. By finding integrated solutions to analyze digital health as well as omics data presents a quick and more accurate method of diagnosing and treating diseases.
- This talk will focus on highlighting recent advancements in the field of precision medicine. Briefly, the importance of big data analytics to make complex biology simpler will be discussed. Of importance, an overview of recent advances in AI field and how we can exploit it to re-shape drug discovery and precision medicine fields will be discussed.
- Furthermore, how the medical professionals and health care systems are working towards adapting to this changing landscape to bring these breakthrough advances to clinical practice will be highlighted.

**Prasun Mishra**, Founder and CEO, **Agility Pharmaceuticals, USA**

10:10 **NGS for Consumers, Patients, and Medical Systems**

10:25 *Morning Refreshments and Poster Presentation | One-to-One Networking Meetings*

11:10 **Microbiomics Technologies for Consumers, Patients, and Providers**

11:40 Solution Provider Presentation

12:10 **Metabolomics: Precision Insights for Optimal Individual Outcomes**

12:40 **Advances in Artificial Intelligence: Immuno-Oncology and Beyond**

13:10 *Lunch and Poster Presentation | One-to-One Networking Meetings*

### ARTIFICIAL INTELLIGENCE, BLOCKCHAIN & OTHER DISRUPTERS

**14:10 Artificial Intelligence and Cancer Immunotherapy**  
**Maurizio Fields, CEO, Kiromic, USA**

**14:40 Augmented Intelligence for Specialists and Primary Care Providers**

**14:55 Redefining diseases using machine learning**

- The challenge of the rapidly growing unstructured biological data
- Utilizing Google Cloud Platform (GCP) for data wrangling and ML-based analysis
- Identifying molecular features that characterize diseases

**Eila Arich-Landkof, Founder and CEO, Oriel Research, USA**

**15:25 Algorithm for precision medicine in immunology**

*15:40 Afternoon Refreshments and Poster Presentation | One-to-One Networking Meetings*

**16:25 EHR-based retrospective clinical trial for efficacy and safety of type 2 diabetes treatments yields accurate prediction of treatment outcomes for precision medicine.**

- This retrospective analysis reveals a diversity of treatment trajectories for type 2 diabetes for >70,000 patients across five University of California campuses
- Differences in type 2 diabetes treatment efficacy are compared by their ability to reduce HbA1c / BMI and by the rate of adverse renal and cardiovascular events
- Machine learning is applied for predicting patient- and treatment-specific outcomes for precision medicine

**Thomas Peterson, Post-Doctoral Scholar, Atul Butte Lab, UCSF Bakar Institute for Computational Health Sciences**

**16:55 Panel Discussion: Is “Big Data Analytics” a powerful tool used in oncology?**

**17:25 Closing Remarks from the Chairman**

*17:30 Drinks Reception & Networking*

**End of Day 1**

# AGENDA 2019

## DAY 02 <sup>8th February</sup> Friday

08:15 Registration

08:55 Welcome note from MarketsandMarkets

09:00 Opening Remarks from the Chairman

09:10 Keynote Presentation

### INNOVATIVE DIGITAL HEALTH TECHNOLOGIES

09:40 Improving patient engagement strategies and experience

10:10 The Connected Patient: Wearable Technologies for Realtime Intelligence

10:25 Morning Refreshments and Poster Presentation | One-to-One Networking Meetings

11:10 Transforming Lives: High Resolution Brain Maps and Optimal Conditioning

11:40 Digital health: What you can learn from your smartwatch

- The ability of wearable to quantify physiological changes in particular environments (like flights!)
- The ability of wearable to identify the onset of Lyme disease and inflammation
- The ability of wearable to distinguish the physiological difference between insulin-sensitive and -resistant individuals.

Xiao Li, Post-Doctoral Fellow, Michael Snyder Lab, **Stanford University, USA**

12:10 Liquid Biopsy – New Tools in Precision Medicine for Immuno-Oncology

12:40 Panel Discussion: How this Digital Revolution is Improving Patient Lives

13:10 Lunch and Poster Presentation | One-to-One Networking Meetings

# AGENDA 2019

## DAY 02 8th February Friday



### FUTURISTIC VIEWS

**14:10 Future Care: The Health Center of Today**

- Healthcare hasn't innovated effectively; until now
- The promise of AI and AR in the healthcare center setting
- How improving access, outcomes and profitability will transform healthcare unlike ever before

**James Bates**, Founder and CEO, **AdviNOW Medical, USA**

**14:40 Patient journey mapping and customer engagement tools-how they would be benefitted in future?**

15:10 Solution Provider Presentation

**15:25 Panel Discussion: How Digital Transformation will help overcome challenges in future?**

*15:55 Closing remarks from the Chairman*

**End of Conference**