

3 DAY MASTERCLASS

PRECISION MEDICINE

London, 27-29 Nov 2017

Also available:

London, 28-30 Nov 2016

London, 27-29 Mar 2017

New York, 25-27 Sep 2017

COURSE AGENDA

What will this course be delivering?

The 3 Day Masterclass in Precision Medicine is designed to bridge knowledge gaps and to bring true business advantage and understanding of new business opportunities in this novel healthcare sector. The course will provide insight into the past, present and future of precision medicine. It is ideally suited to those already working in and those who would like to enter the precision Medtech, Biopharma, Healthcare and Clinical Research Industries. These include life science industries representatives from pharmaceutical, medical devices and diagnostic industries, physicians and surgeons, clinical innovators, hospital executives, payers, policy makers, multidisciplinary researchers, patient advocates, angel and venture capital investors.

In Just 3 Days You Will...

- Get to grips with the fundamentals of precision medicine
- Learn about the main aspects of the industry, including key terminology and concepts
- Understand today's global landscape of precision medicine
- Gain insight into public and private precision medicine initiatives across America, Europe and Asia
- Identify precision medicine innovation opportunities
- Discover commercial opportunities across diagnostics, devices and pharmaceuticals
- Understand the future of advanced precision diagnostics and therapies
- Analyse the exponential growth of precision cell and gene therapies, nanotechnology and advanced diagnostics
- Discover the emerging industry of precision preventive medicine
- Learn how innovative companies are investing in this new multi-trillion dollar industry
- Harness the power of precision clinical trials
- Learn about the potential of precision clinical trials for physicians, innovators and industry
- Understand how to implement precision medicine into practice
- Appreciate the challenges and opportunities in transitioning to precision based care
- Get to grips with 'panomics' and artificial intelligence
- Understand the evolving world of '-omics' and how software is enabling the analysis of vast sums of health data
- Beyond precision oncology

- Learn about precision medicine opportunities beyond tumour genome sequencing and cancer therapeutics

COURSE SCHEDULE

Day 1: Precision Medicine Today

- Big Picture Introduction
- Speed Networking

- Big Picture Introduction
- Imprecision medicine
- Defining Precision Medicine versus Personalized Medicine: Why words matter
- Converging technologies as key enablers of Precision Medicine
- Digital Health, an integral part of Precision Medicine
- Precision Medicine, Prevention & Nutrition: New players engaging in healthcare and medicine
- From biomarkers to pattern diagnostics & tailored health management
- Precision Medicine and costs in health care & R&D
- Precision Medicine, towards a customer driven health care system
- Defining customer centric R&D, treatment and prevention

From one size fits all towards stratified & precise treatment; serving 3600 + diseases with unmet need:

- Cancer
- Non-communicable chronic diseases
- Rare diseases
- Aging

Selected initiatives in

- USA
- UK
- Israel
- EU
- China

- Arabic countries
- Ongoing case studies and projects in precision medicine in your organization today?
- What do you want to take home for you and your organization?

Day 2: Creating a Sustainable & Scalable Business

- Markets and players: The changing landscape in Precision Medicine

Converging technologies, digitalization and the IoT: New technologies & players

- Pharma
- Diagnostics
- Functional food & microbiome
- ICT
- Big Data, cloud & Artificial Intelligence
- Telecommunication

Who owns the customer, not patient anymore?

- GE, SAP, IBM, Phillips, Siemens etc
- Pharma/Biotech
- Diagnostics
- Nutraceuticals & Functional Food, Nestle, Danone, PepsiCo,...
- Google, Facebook
- Quest, Synlab, Labcorp
- Payer

Private sector case studies

- Human Longevity Inc.
- Foundation Medicine
- Verily
- Berg Pharma

Future business models:

Diabetes as a role model for integrated disease management; tools, services, products etc

- Diagnostics
- AI-based drug dosing
- Nutrition and lifestyle coaching

- Sensors (beyond glucose monitoring)
- Avatars for disease management

Investment and partnership opportunities

- Public investment
- Private investment
- Innovation programs
- Startup landscape

Reimbursement and health insurance

Physicians views on precision medicine

How to build a vertically integrated business model for exponential scale and global markets; lessons learned

Selected technical challenges:

- Standard operation procedures for sample (blood etc.) collection
- Integrating non structured, heterogeneous data
- Cost of data storage
- Regulation of data ownership and storage
- Data safety & security
- Data deluge: AI/machine learning
- Data sharing
- Data ownership
- Research cohorts

Defining a problem, solution and business case; example arthritis one of the most cost-intensive non-cancer diseases

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- Verily
- Berg Pharma
- InnVentis

Day 3: Implementing Precision Medicine hands on

Defined by the attendee's profiles case studies will be performed in teams on:

- Clinical trial design, from cohorts to basket, add-on, longitudinal intra-individual and other new trial designs.
- Implementation specific business cases concepts

Key topics covered will include:

- Ethics of trial design; once we see we need to act: The end of outcome based trials
- Drug discovery, functional food and the microbiome
- Precision biomarker discovery
- Predictive biomarkers
- Drug efficacy biomarkers
- New disease target biomarkers or patterns
- Experimental studies
- Precision drug discovery
- In silico efficacy screening
- In vitro efficacy screening
- In vivo efficacy screening
- Precision clinical trials
- Implementing precision medicine in medical practice
- Integrating patient data
- Improving therapeutic outcomes: risk : benefit
- Biomarkers and cost efficiency
- Patient
- Dose

- Drug
- Time
- Digital Health tools, sensors, wearables
- Wrap up & conclusion
- Wrap

MEET YOUR TRAINER

Thomas Wilckens is an MD and a serial entrepreneur. InnVentis focus is on the convergence of multi-omics technologies with real-world clinical data and machine learning to enable PRECISION MEDICINE. Thomas is also the founder of the LinkedIn group PRECISION MEDICINE & Big DATA and a recognized thought leader in Precision Medicine.



Before InnVentis he was an associate at deep innovation GmbH, a boutique consultancy headed by the fmr. Head Group R&D Vodafone with a focus on the digitalization of society. In 1998 founded a drug discovery company as CEO/CSO with a focus on inflammatory and metabolic diseases.

PRICING

THE EARLIER YOU BOOK, THE MORE YOU SAVE...

Before 8 Sep 2017	Before 20 Oct 2017	Before 10 Nov 2017	After 10 Nov 2017
£2,700 Save £600	£3,000 Save £300	£3,150 Save £150	£3,300

INHOUSE TRAINING

Need to get your whole team up to speed? We can come to you. For groups of six or more, our trainers will design a bespoke programme to meet your business needs, including a lesson pack with examples, models, user-driven content, custom case studies – everything you need to keep learning on your own time.

In-house training is the most cost-effective and convenient option for teams, so get in touch today and let us customise your training experience.

For further information please refer to: <http://www.terrapiinntesting.com/in-house-training>

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<https://secure.terrapinn.com/v5/step1.aspx?E=8894>