



SEPTEMBER 11-12, 2019
Kimpton Marlowe Hotel
25 Edwin H. Land Blvd, Cambridge,
MA 02141

AGENDA | AT A GLANCE

WEDNESDAY, SEPTEMBER 11th

A M	8:30 - 9:00	Breakfast and Registration
	9:00 - 9:15	TALKS Welcome Remarks from DNAnexus CEO
	9:15 - 9:40	KEYNOTE Opening Keynote
	9:45 - 11:10	TALKS Advances in Research & Development
	11:10 - 11:30	Coffee
	11:30 - 12:30	TALKS What's New at DNAnexus
12:30 - 1:30 Lunch		
P M	1:30 - 2:50	TALKS Collaboration & Networks
	2:50 - 3:10	Coffee
	3:10 - 3:30	TALKS GxP in the Cloud
	3:30 - 4:35	TALKS Automation & Scale
	4:35 - 5:15	KEYNOTE Closing Keynote
	5:30 - 8:00	Networking Reception

THURSDAY, SEPTEMBER 12th

A M	8:30 - 9:00	Breakfast and Registration
	9:00 - 11:30	WORKSHOPS Hands On Workshops

AGENDA | DETAILS

WEDNESDAY, SEPTEMBER 11th

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8:30 – 9:00 Breakfast and Registration

9:00 - 9:15 **Richard Daly | CEO**
DNAexus
Welcome Remarks

9:15 - 9:40 **KEYNOTE Marylyn Ritchie, PhD | Director, Center for Translational Bioinformatics, Institute for Biomedical Informatics (IBI)**
University of Pennsylvania
Leveraging Translational Research for the Advancement of Drug Discovery and Understanding of Complex Disease

9:45 – 11:10 **TALKS ADVANCES IN RESEARCH & DEVELOPMENT**

9:45 - 10:00 **William Salerno, PhD | Director of Genome & Sequencing Informatics**
Regeneron Genetics Center
At-Scale Genomics for At-Speed Discovery

10:00 - 10:15 **Jeffrey Tratner | Senior Engineering Manager, Bioinformatics**
Myriad
Fast Iteration in R&D with dxWDL, Docker and Smart Reuse

10:15 - 10:30 **Ashutosh Pandey, PhD | Bioinformatics Manager**
GlaxoSmithKline
An End-to-End Solution for Next-Generation Sequencing Data

10:30 - 10:45 **Paul Slater | Co-founder, Clinical Research Innovation Hub**
Microsoft
Beyond Patient-Centricity: A Platform-Based Approach to Connect Drug Discovery, Clinical Research and Clinical Care

10:45 - 11:10 **Discussion Panel - Moderator: George Asimenos, PhD**
William Salerno, PhD
Jeffrey Tratner
Ashutosh Pandey, PhD
Paul Slater

11:10 – 11:30 **BREAK** Coffee

11:30 – 12:30 **TALKS WHAT'S NEW AT DNANEXUS**

11:30 - 12:15 **Brett Hannigan, PhD | Senior Director, Science**
Fan Fan, PhD | Vice President Product Management
DNAexus
Scaling up Multi-Omics Data Science

12:15 - 12:30

Peter Nguyen, PhD | Senior ML Engineer, Data Science Lead

DNAexus

DNAexus Fine Mapping for Interactive, Post-GWAS Analysis on Large-Scale, Individual-Level UK Biobank Datasets

12:30 - 1:30

BREAK Lunch

1:30 - 2:50

TALKS Collaboration & Networks

1:30 - 1:45

David Fenstermacher, PhD | VP Precision Medicine & Data Science

DNAexus

Building a Molecular Precision Medicine Research Hub: The Future of Healthcare

1:45 - 2:00

Samir Courdy | VP Research Informatics

City of Hope

The Role of Research Informatics in Precision Medicine

2:00 - 2:15

Greg Tranah, PhD | Director of Precision Medicine

Sutter Health

Large Healthcare Systems as Research Partners - Leveraging a Clinico-Genomic Data Infrastructure to Accelerate Discoveries and Improve Patient Outcomes

2:15 - 2:30

Darren Ames | Genomics Data Infrastructure Manager

Intermountain

2:30 - 2:50

Discussion Panel - Moderator: Brady Davis

David Fenstermacher, PhD

Samir Courdy

Greg Tranah, PhD

Darren Ames

2:50 - 3:10

BREAK Coffee

3:10 - 3:30

TALKS GxP in the Cloud

3:10 - 3:30

Loren Buhle, PhD | VP Information Security, Quality & Compliance

DNAexus

Lessons Learned with GxP Quality Guidelines

3:30 - 4:35

TALKS AUTOMATION & SCALE

3:30 - 3:45

Jussi Paananen, PhD | Chief Technology Officer

Blueprint Genetics

Scaling up Clinical Genetics

3:45 - 4:00

Michael Neylon | Associate Consultant - Data Sciences & Engineering

Eli Lilly

Embracing Open: Building Reproducible and Portable Pipelines by Embracing Open Standards

4:00 - 4:15

Lisa McFerrin | Bioinformaticist, WWBD Healthcare, Life Sciences, & Genomics

Amazon Web Services

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4:15 - 4:35

Discussion Panel - Moderator: Julie Baher

Jussi Paananen, PhD
Michael Neylon
Lisa McFerrin

4:35 - 5:05

KEYNOTE Robert Green, MD, MPH | Professor of Medicine
Harvard Medical School

Accelerating Preventive Genomics: Risks, Rewards and Reality

5:05 - 5:15

Richard Daly | CEO

DNAexus

Closing Remarks

5:30 - 8:00

RECEPTION Networking Reception

You are invited to a networking reception at Dante Restaurant

THURSDAY, SEPTEMBER 12th

8:30 - 9:00

Breakfast and Registration

9:00 - 11:30

WORKSHOPS Hands-On Workshops

TRACK 1: Using DNAexus Apollo for Exploring and Analyzing Clinical and Multi-Omics Data: Learn how to explore population-scale sets of clinical, phenotypic, multi-omic and structured data using the DNAexus Apollo Cohort Browser or through a Spark cluster-enabled JupyterLab environment.

TRACK 2: Developing Portable Pipelines: Using WDL and Docker to Develop Locally and Scale to the Cloud: This workshop highlights best platform practices along with identifying practices to avoid. Learn how to use public Docker containers as part of an app and run WDL workflows.

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