第12回国際ゲノム会議
共催テクノロジープレゼンテーション

日程：2017年6月27日（火）14：00 ~ 14：30
場所：学術総合センター（一橋講堂）

招待講演

演題：Unlocking the Power of Genomes

演者：Peter Fromen

Managing Director, Population Sequencing Initiatives
Commercial Operations Admin Dept. Illumina, Inc.

Whole genome sequencing costs continue to decrease as new technology allow increased throughput, higher data accuracy and efficient data analysis and aggregation. Synergy of these factors are driving genomics closer to everyday healthcare.
Following the launch of the partnership between Genomics England and Illumina in 2014, there has been an increasing number of countries adopting initiatives to sequence patients with diseases of the genome such as cancer and rare inherited disease to precisely target their therapy and to translate new insights back into routine clinical care. Furthermore, large populations of healthy patients will be sequenced or genotyped so that day-to-day medical care can be optimized for their specific genetic makeup. Longer term, the data collected from these initiatives will enable the development of new therapies by pharmaceutical companies for chronic diseases like cancer, diabetes, and stroke.
In this presentation, I will describe how Illumina is working with many of these national initiatives and institutions by sharing its experience and knowledge, cultivated and honed through partnerships like that with Genomics England, by enabling genomics at significant scale; from sample accession, setting standards for clinical sequencing, through to federating big data and sharing between complementary programs. By unlocking the power of many genomes, we are enriching the power of a single genome to achieve better outcomes for the patient.

■ セミナーに関するご質問、お問い合わせ先　contactJPN@illumina.com

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第12回国際ゲノム会議
共催テクノロジープレゼンテーション

日程：2017年6月29日（木）14：00 ~ 14：15
場所：学術総合センター（一橋講堂）

招待講演

演題：A Streamlined Informatics Ecosystem for the NovaSeq Series

演者：Mary Olson
Associate Director, Enterprise Informatics, Illumina, Inc.

Illumina strives to solve some of the most challenging medical problems in the world by improving the accessibility and utility of the genome.
Despite advances in sequencing technology, conducting studies from an informatics perspective can still be challenging. Managing, analyzing, and interpreting the large volume of data generated from genomic studies calls for a systematic, standard, and pipeline-centric approach. To accommodate this approach, Illumina has developed a streamlined informatics ecosystem for the NovaSeq Series instruments by integrating with BaseSpace Suite.
In this session, we will present the BaseSpace Suite tools from sample management through analysis to transform complex genomic data into meaningful insights. Learn more by attending this 15-minute talk.

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