

## PacBio Sequel IIe

# Sequence with Confidence

*Introducing highly accurate long-read sequencing technology and applications*



*PacBio Sequel IIe @ SignAC, Kick-off seminar!*

**Day 1:** March 10 (Thu) 2022, 9:00am - noon

**Day 2:** March 11 (Fri) 2022, 9:00am - noon

**Participation Fee :** Free

**Language :** English and Japanese

**Registration:** <https://forms.gle/UaYyhTPTBDgeEj5J9>

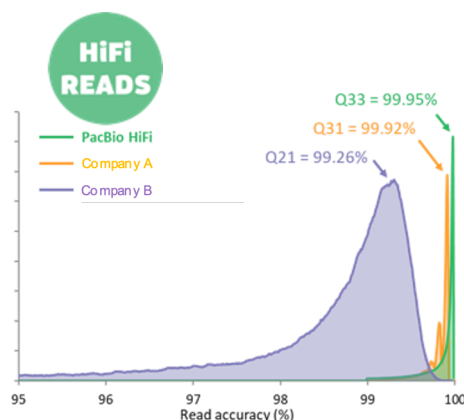
Register via the right QR code  
[Registration required]



**2 days  
ONLINE**

We are pleased to announce that PacBio Sequel IIe has been installed in ASHBi SignAC and will be broadly available through iSAL, one of equipment sharing platforms in Kyoto University.

PacBio Sequel IIe can provide highly accurate long-read sequencing data, or HiFi reads, with the single-molecule real-time (SMRT) sequencing technology. HiFi sequencing has made it possible to perform long-range phasing analysis of the genome as well as transcriptome analysis of full-length mRNA, opening a new chapter in the field of genomics. In this seminar, we will overview the HiFi sequencing and PacBio Sequel IIe system, including the experimental workflows, analysis tools, and practices. A new on-instrument workflow for direct detection of DNA methylation without chemical conversion will also be introduced.



**Day 1, March 10**

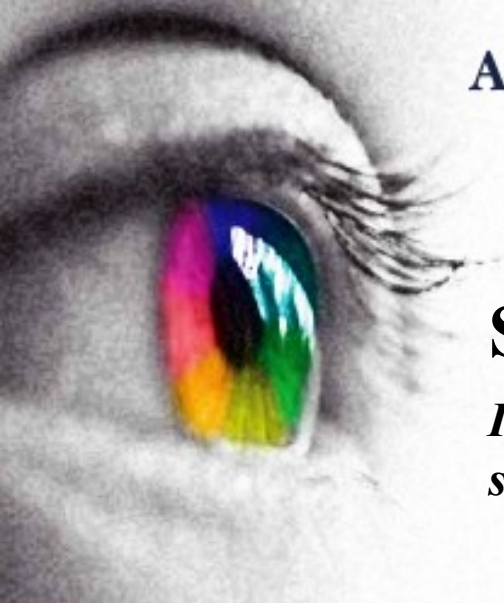
The introduction and overview

How can SMRT sequencing aid your research

**Day 2, March 11**

Sequencing application workflows

[https://ashbi.kyoto-u.ac.jp/events/signac-tech-seminar\\_220310](https://ashbi.kyoto-u.ac.jp/events/signac-tech-seminar_220310)



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[要事前登録]



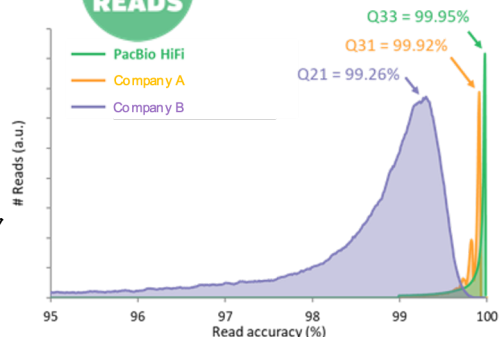
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京都大学ASHBi SignACでは、新たにPacBio社のSequel IIeを導入したことを記念し、ASHBi SignACテクノロジーセミナーを開催します。2022年度中には、iSAL（京都大学 医学・生命科学研究支援機構）を通じて、本システムを多くの研究者にご利用いただけるように準備を進める予定ですので、皆様奮ってご参加ください。

PacBio Sequel IIeシステムは、SMRT（一分子リアルタイム解析）技術により、極めて高精度な長鎖DNA配列解析を取得する「HiFiリード」を実現します。これにより、これまで困難とされていた、完全長mRNAのトランスクリプトーム解析やゲノムのフェージング解析が可能となり、医学・生命科学分野において新たな発見につながる事が期待されます。

本セミナーでは、Sequel IIeでのHiFiシーケンスアプリケーションの概要に加え、PacBio社のSMRTシーケンス技術の最新事例、実験ワークフロー、解析ツールを紹介いたします。また、化学変換処理を介さずに、直接メチル化を検出するためのon-instrumentワークフローについても紹介される予定です。

**HiFi  
READS**



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