11th Annual SVB Leerink Global Healthcare Conference

Christian Henry | Chief Executive Officer and President

Safe harbor statement

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PacBio

ENABLING THE PROMISE OF GENOMICS TO BETTER HUMAN HEALTH

We create some of the world's most advanced sequencing technologies.

Only company with both leading long-read and highly accurate short-read tech1

Three highly differentiated core technologies focused on accuracy, quality + completeness: HiFi, Nanobind, and SBB

50+ Products spanning entire genomics workflow

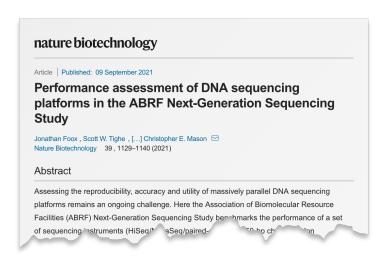
700+ Global employees

\$40B+ Total addressable market²

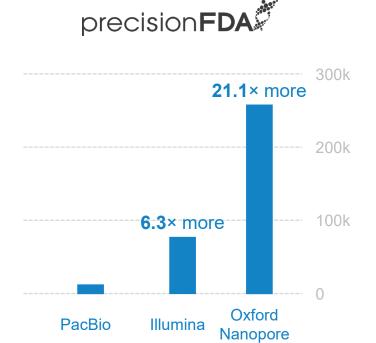


PacBio HiFi technology recognized as the most accurate + complete

Association of Biomolecular Resource Facilities



"PacBio [HiFi] provides the lowest error rate out of all technologies."



Total errors (SNV + indel + SV)²

Telomere-to-telomere Consortium

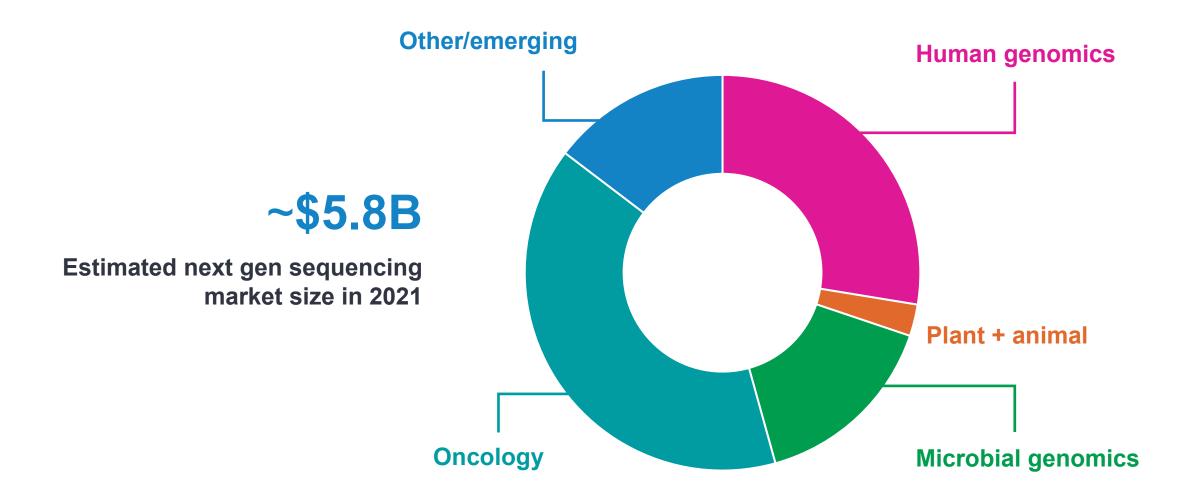
The complete sequence of a human genome

Sergey Nurk1, Sergey Koren1, Arang Rhie1, Mikko Rautiainen1, Andrey V. Bzikadze2, Alla Mikheenko3, Mitchell R. Vollger4, Nicolas Altemose5, Lev Uralsky6.7, Ariel Gershman8, Sergey Aganezov9, Savannah J. Hoyt¹⁰, Mark Diekhans¹¹, Glennis A. Logsdon⁴, Michael Alonge⁹, Stylianos E. Antonarakis¹², Matthew Borchers¹³, Gerard G. Bouffard¹⁴, Shelise Y. Brooks¹⁴, Gina V. Caldas¹⁵, Haoyu Cheng^{16,17}, Chen-Shan Chin¹⁸, William Chow¹⁹, Leonardo G, de Lima¹³, Philip C, Dishuck⁴, Richard Durbin²¹, Tatiana Dvorkina³, Ian T. Fiddes²², Giulio Formenti^{23,24}, Robert S. Fulton²⁵, Arkarachai Fungtammasan¹⁸, Erik Garrison^{11,26} Patrick G.S. Grady¹⁰, Tina A. Graves-Lindsay²⁷, Ira M. Hall²⁸, Nancy F. Hansen²⁹, Gabrielle A. Hartley¹⁰ Marina Haukness¹¹, Kerstin Howe¹⁹, Michael W. Hunkapiller³⁰, Chirag Jain^{1,31}, Miten Jain¹¹, Erich D. Jarvis^{23,24}. Peter Kerpedijev³². Melanje Kirsche⁹. Mikhail Kolmogorov³³. Jonas Korlach³⁰. Milinn Kremitzki²⁷ Heng Li^{16,17}, Valerie V. Maduro³⁴, Tobias Marschall³⁵, Ann M. McCartney¹, Jennifer McDaniel³⁶, Danny E. Miller^{4,37}, James C, Mullikin^{14,29}, Eugene W, Myers³⁸, Nathan D, Olson³⁶, Benedict Paten¹¹, Paul Peluso³⁰, Pavel A. Pevzner³³, David Porubsky⁴, Tamara Potapova¹³, Evgeny I. Rogaev^{6,7,39,40}, Jeffrey A. Rosenfeld⁴¹ Steven L. Salzberg^{9,42}, Valerie A. Schneider⁴³, Fritz J. Sedlazeck⁴⁴, Kishwar Shafin¹¹, Colin J. Shew²⁰, Alaina Shumate⁴², Yumi Sims¹⁹, Arian F. A. Smit⁴⁵, Daniela C. Soto²⁰, Ivan Sović^{30,48}, Jessica M. Storer⁴⁵ Aaron Streets^{5,47}, Beth A. Sullivan⁴⁸, Françoise Thibaud-Nissen⁴³, James Torrance¹⁹, Justin Wagner³⁶, Brian P. Walenz¹, Aaron Wenger³⁰, Jonathan M. D. Wood¹⁹, Chunlin Xiao⁴³, Stephanie M. Yan⁴⁹, Alice C. Young¹⁴, Samantha Zarate⁹, Urvashi Surti⁵⁰, Rajiv C. McCoy⁴⁹, Megan Y. Dennis²⁰, Ivan A. Alexandrov^{3,7,51} Jennifer L. Gerton¹³, Rachel J. O'Neill¹⁰, Winston Timp^{8,42}, Justin M. Zook³⁶, Michael C. Schatz^{9,49}, Evan E.

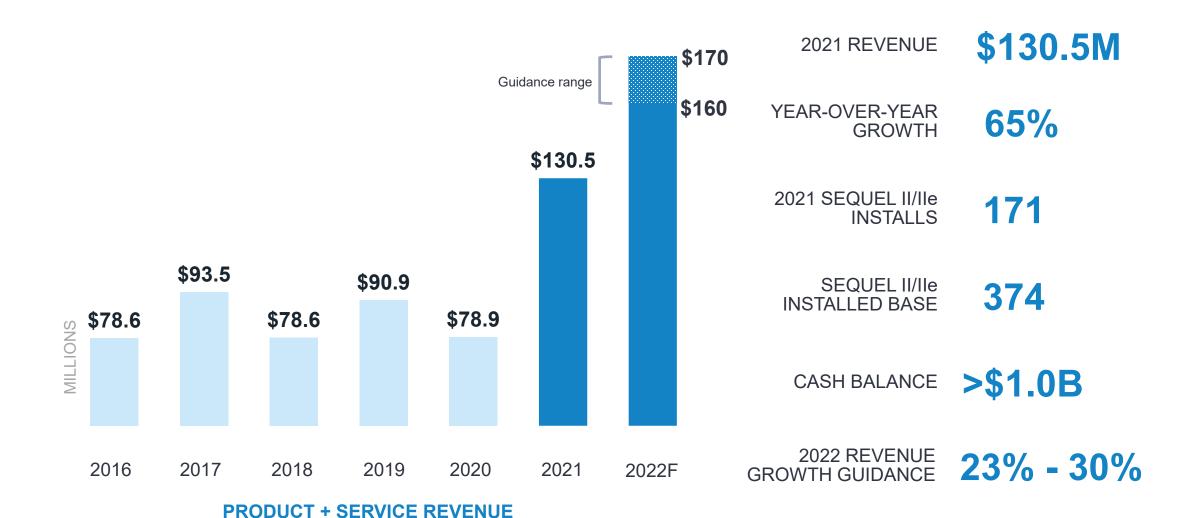
"PacBio's recent HiFi circular consensus sequencing...has resulted in unprecedented assembly accuracy..." 3

- 1. https://doi.org/10.1038/s41587-021-01049-5
- 2. https://doi.org/10.1101/2020.11.13.380741
- 3. https://doi.org/10.1101/2021.05.26.445798

Sequencing is multi-billion-dollar opportunity across diverse set of markets



Commercial focus and new products drove breakout performance in 2021



2022 strategic priorities build on our 2021 successes



Execution matters

Leverage commercial investment to drive continued HiFi and Sequel II/IIe adoption



Progress product pipeline

Demonstrate SBB as differentiated short-read offering + drive future HiFi platform development



Delight our customers

Deepen customer collaboration in clinical and a growing list of new applications

Significant improvements in efficiency + usability to Sequel IIe in 1H 2022





SMRTbell prep kit 3.0

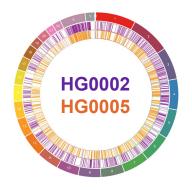
Template binding kits 3.1/3.2

40% less DNA required

>60% reduction in hands-on time

>30% fewer tubes required





SMRT Link v11.0

5-methylcytosine detection

Methylation calling on instrument

Gene editing QC workflow

High-throughput sample setup



Expanding ecosystem enables customers to achieve more with Sequel II/IIe

More samples

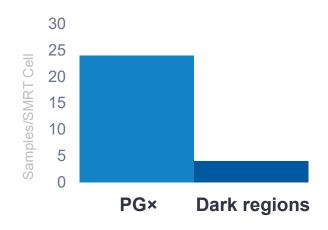
Community panels

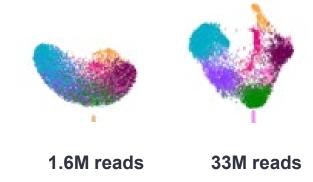
More reads

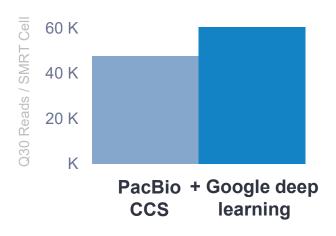
Single-cell Iso-Seq

More data

Deep learning technologies













Partnership to help the 75%¹ of families with unexplained rare disease cases after short-read sequencing



"This study represents our continued commitment to the 100,000 Genomes Project participants, and also to our quest to seek out the benefits of new disruptive technologies."

Parker Moss

Chief Ecosystem & Partnership Officer, Genomics England



^{1.} https://www.genomicsengland.co.uk/about-genomics-england/the-100000-genomes-project/

Berry Genomics partnership to purchase 50+ desktop systems at launch



Announcing development of first desktop HiFi-based sequencing platform



Makes HiFi sequencing more accessible to new labs for targeted assays and panels



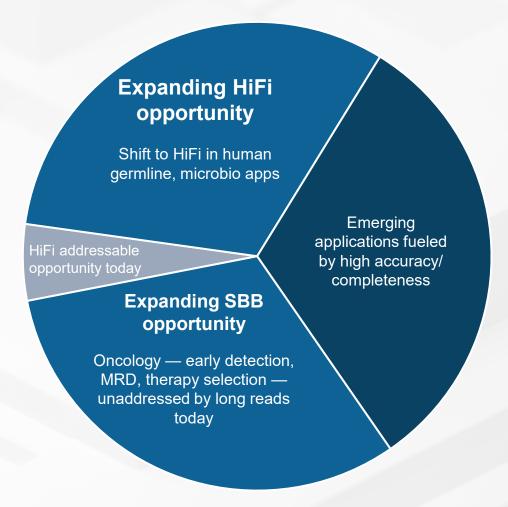
Initial focus on **Chinese distributed market** through NMPA but will be **commercialized globally**





Short-read sequencing is a multi-billion-dollar revenue opportunity for PacBio

SEQUENCING OPPORTUNITY





A more accurate short-read technology gives customers **flexibility**



A more diversified product portfolio drives PacBio scale



Ultimately allows PacBio to participate in highest growth short-read **clinical** applications like oncology

PacBio

We create some of the world's most advanced sequencing technologies.

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