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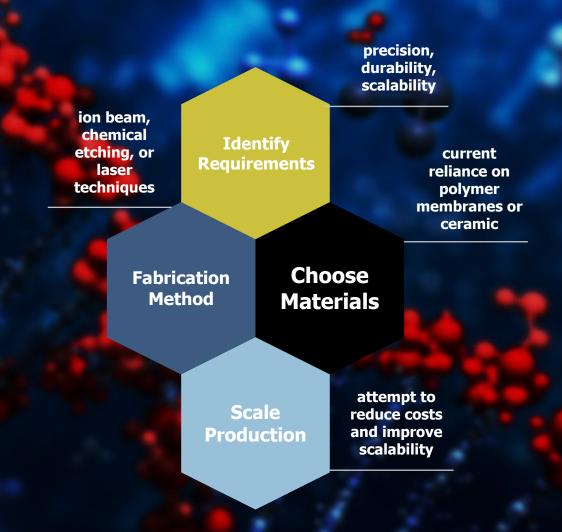
Nanopores are incredibly versatile but we hard to fabricate with high precision using today's techniques

# >80% of current nanopore fabrication methods fail to meet precision, durability, or scalability requirements

**difficult task:** current fabrication techniques struggle to achieve consistent control over pore size and shape

**high cost:** advanced methods like ion beam sculpting are prohibitively expensive for mass production

**low success rate:** existing technologies are limited to small-scale, high-cost applications, unsuitable for broader market adoption



A cutting-edge platform that revolutionizes molecular analysis by enabling precise and efficient sampling for DNA sequencing, molecular separation, and advanced materials science

#### **REAL-TIME PRECISION**

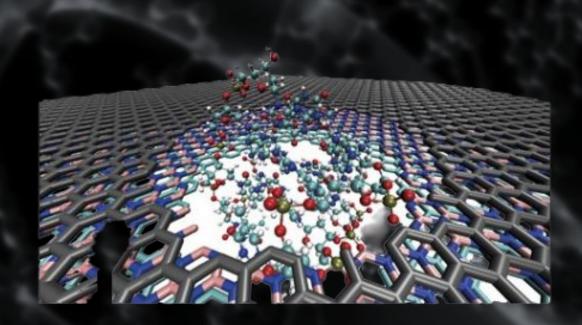
Control pore size and shape with electron or ion beams for sub-nanometer accuracy

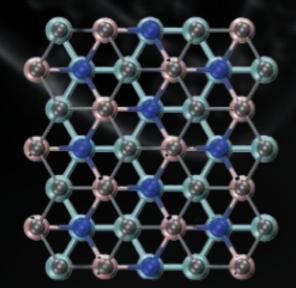
### **EXCEPTIONAL DURABILITY**

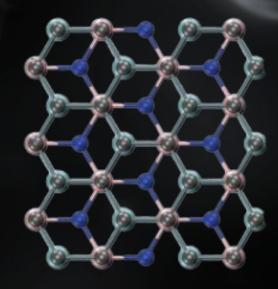
Hexagonal Boron Nitride (h-BN) offers unparalleled chemical and thermal stability, ensuring long-lasting performance.

### HIGH REPRODUCIBILITY

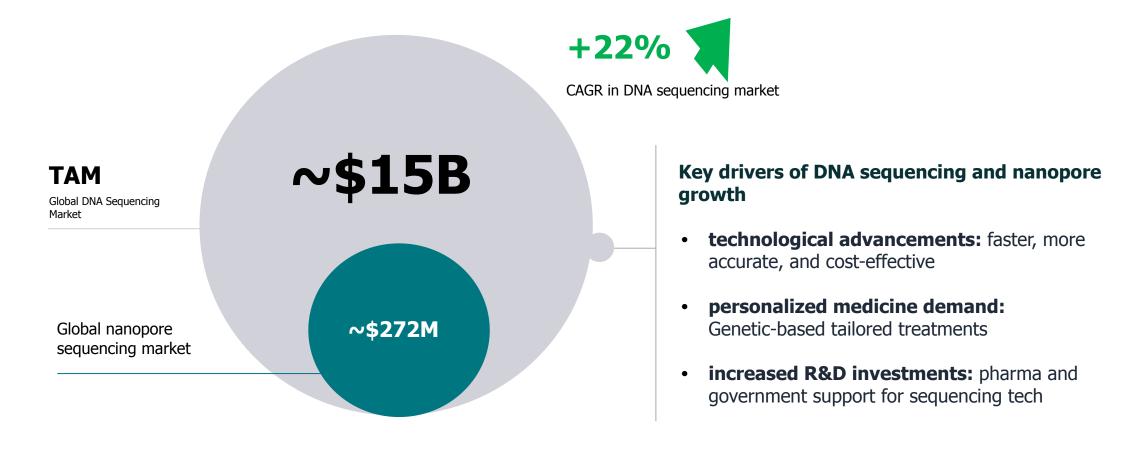
Consistent results across fabrication processes, meeting rigorous application standards.







# The global DNA sequencing market is evolving rapidly, offering diverse opportunities for value creation among key players



**Note:** The global nanopore sequencing market, valued at \$272M in 2023, is projected to grow at an 11.2% CAGR, reaching \$706M by 2032 US companies, particularly Illumina (90% market share of clinical genomics testing) and Thermo Fisher Scientific, are considered market leaders in the DNA sequencing industry

### Accelerating nanopore innovation and adoption

# Transformative licensing partnerships



Collaborating with industry leaders like Illumina and PacBio to integrate our nanopore technology into their established platforms, ensuring rapid scalability and market access.

## illumina PacBio

# Empowering startups for niche applications



Partnering with agile startups to explore high-value, low-volume markets such as advanced DNA sequencing and molecular analysis. Startups will de-risk and refine the technology.

STARTUP