

ABOUT

Watchmaker Genomics is a life-science tools company engineering enzymes and workflows that power the next generation of genomics applications. Through vertically integrated manufacturing and deep enzymology expertise, Watchmaker delivers rapid, sensitive, and scalable library-prep solutions for DNA, RNA, and epigenetic sequencing.

INDUSTRY TALK

**Cole Rohrbaugh**

Next-generation sequencing (NGS) has transformed genomics, but persistent challenges—such as limited input amounts, degraded sample quality (e.g., FFPE), and variability in sequencing performance—continue to affect data reliability and throughput. In this seminar, we'll explore how enzyme-engineered solutions can address these pain points across DNA and RNA workflows.

Our DNA library prep kit features integrated enzymatic fragmentation optimized for flexibility across input amounts and challenging sample types, improving GC coverage and overall sequencing quality. On the RNA side, we offer efficient depletion and mRNA capture workflows that support broad input ranges and deliver high-quality libraries in under 4.5 hours—ideal for automation and high-throughput labs.

We'll also present our high-performance reverse transcriptases, known for their thermal stability and inhibitor tolerance, enabling robust performance in RT-qPCR and RT-PCR. Finally, we'll introduce our newest addition: a methylation sequencing library prep kit that enables accurate epigenetic profiling through a positive methylation readout approach.

Join us to learn how our enzyme-driven innovations are enabling more efficient, scalable, and reliable NGS workflows across a range of sample types and research needs.