



Quarterly Newsletter: Fall 2023



## Breaking ground with proximity ligation

From clams to carrots, our genomic tools have aided researchers in piecing together genomes, mastering the intricacies of the microbiome, and delving into metagenomics. Here are three groundbreaking publications and other news from last quarter that demonstrate the power of [proximity ligation](#) technology.

### **1** **nature** **Assembly of 43 human Y chromosomes reveals extensive complexity and variation**

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A recent study used Proximo Hi-C to aid in the construction of 43 de novo, sequence-resolved Y chromosomes, revealing new information about the evolution of the human genome. Read more [here »](#)

### **2** **nature cancer** **Centuries of genome instability and evolution in soft-shell clam, *Mya arenaria*, bivalve transmissible neoplasia**

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This study constructed a chromosome-scale reference genome to investigate a transmissible cancer found in soft-shell clams. Check out the [New York Times](#) article or read the publication [here »](#)

Do you know how carrots got their color? New publication in Nature Plants used Proximo Hi-C in a study that answered questions about the genetic history of this popular vegetable. Read more [here »](#)

## MORE PAPERS

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### Get your soles into spooky season!

This month, all our kit shipments will include a pair of our seasonal socks. If you've got them, show them off and tag us on [X](#) or [LinkedIn](#) for a chance to be featured on our page!



### Catch us at a conference

Phase Genomics is on the road! Look for us at these upcoming conferences:

[European School of Hematology 6th International Conference](#)

Estoril, Portugal (Oct. 29-31)

[American Society of Human Genetics](#)

Washington, DC (Nov. 1-5)

[Microbiome Data Congress](#)

Boston, MA (Nov. 13-14)

[Association for Molecular Pathology](#)

Salt Lake City, UT (Nov. 14-18)

[AIChE: 6th International Conference on Microbiome Engineering](#)

Berkeley, CA (Dec. 8-10)

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**Have a project in mind?**

**Contact Us**

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