PHASEBOOK

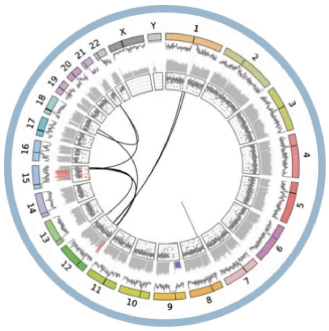
Quarterly Newsletter: Spring 2025

Phase Genomics is making strides across cancer research, metagenomics and antimicrobial resistance, while steady breakthroughs unlocked by our core Hi-C genomics tech keep rolling in. We've got loads of fresh data, fantastic momentum for Genomic Proximity Mapping™ (GPM)—and a fresh podcast interview with our CEO, Ivan Liachko. It's been a while, and we're thrilled to share this edition of Phasebook with you. Check out the latest from the Phase Genomics team below!

New at AACR25: Better Biomarkers with GPM

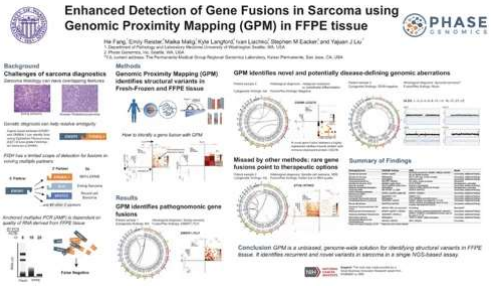
Stratifying Sarcoma

Data presented at AACR showed that GPM recapitulates or exceeds the performance of standard-of-care diagnostics for cytogenetic analysis of formalin-fixed, paraffin-embedded (FFPE) sarcoma in the research setting.



Diving into the Data

Phase Genomics partnered with researchers at the University of Washington in a groundbreaking study presented at AACR. The team used GPM to reveal known and novel chromosomal abnormalities in sarcoma. This genome-wide approach identified known and novel gene fusions and other classes of actionable variants in FFPE sarcoma samples that had previously failed common cytogenetic tests.



The Takeaway

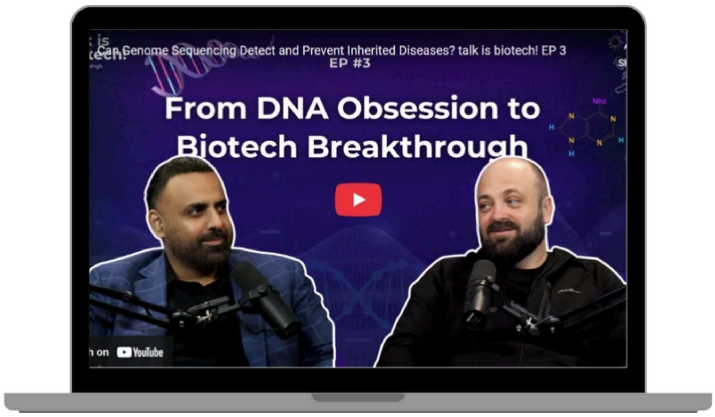
GPM may be used to enhance classification of sarcoma and other solid tumor tissues stored in FFPE blocks when conventional cytogenetics tools fall short.

DOWNLOAD THE POSTER

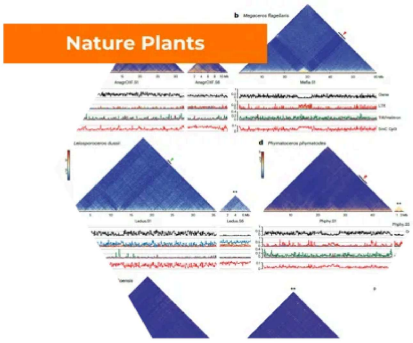
New Pod: Driving Breakthroughs with Hi-C

Phase Genomics CEO Ivan Liachko dives into how our AI-powered, Hi-C platforms drive breakthroughs from antibiotic resistance to cancer diagnostics.

Listen in on the convo »



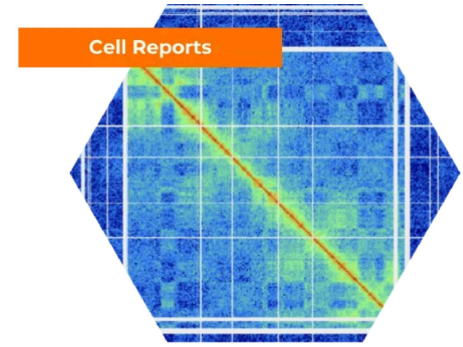
Research Highlights



Pan-phylum genomes of hornworts reveal conserved autosomes but dynamic accessory and sex chromosomes

A reference genome for boat-tailed grackles (Quiscalus major)

Using genomics to explore the epidemiology of vancomycin resistance in a sewage system



Spatial organizations of heterochromatin underpin nuclear structural integrity of ventricular cardiomyocytes against mechanical stress

MORE PAPERS

May is Cancer Research Awareness Month

Join us in celebrating the researchers whose proximity ligation explorations are transforming how we understand, classify, and ultimately combat cancer in all its forms. At Phase Genomics, we empower researchers across the globe with the tools they need to uncover chromosomal insights previously hidden from view. Every day, these discoveries illuminate new pathways to help better battle cancers.

Catch us at a Conference

NIAMRRE – Raleigh, NC (May 13-15)

ASM Microbe 2025 – Los Angeles, CA (Jun. 19-23)

European Cytogenomics Conference – Leuven, Belgium (Jun. 29 - Jul. 1)

Cancer Genomics Consortium – Houston, TX (Aug. 3-6)

Have a project in mind?

Contact Us

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