



Quarterly Newsletter: Winter 2020



## Latest Announcement



### Phase Genomics wins \$1.5M for Proximity Ligation-Based AMR Tracking

NEW YORK – Seattle-based startup Phase Genomics announced Tuesday it has received a two-year, \$1.5 million grant from the National Institutes of Health to support the development of a rapid antimicrobial resistance tracking kit based on the firm's proprietary high-throughput chromatin conformation, or Hi-C, proximity ligation technology. [Read More on GenomeWeb »](#)

## Papers



Nature Communications

Emergence of the Ug99 lineage of the wheat stem rust pathogen through somatic hybridisation



Communications Biology

Divergent evolutionary trajectories following speciation in two ectoparasitic honey bee mites



New Zealand Journal of Crop and Horticultural Science

A whole genome assembly of *Leptospermum scoparium* (Myrtaceae) for mānuka research



Frontiers in Microbiology

Degradation of recalcitrant polyurethane and xenobiotic additives by a selected landfill microbial community and its biodegradative potential revealed by proximity ligation-based metagenomic analysis



Preprint

Assembly of a young vertebrate Y chromosome reveals convergent signatures of sex chromosome evolution



BioRxiv Preprint

Identifying the causes and consequences of assembly gaps using a multiplatform genome assembly of a bird-of-paradise

More Papers

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## Blogs

New Blog

**2019**  
A Year in  
Review with



## New Blog

Phase Genomics  
Transformative  
Genome Phasing Tool,  
FALCON-Phase, Now  
Compatible with  
Nanopore Sequencing

## Events



See you at  
**PAG XXVIII**

Attend Workshop

Meet our team Jan 11-15, 2020 at the [International Plant & Animal Genome XXVIII \(PAG\) meeting](#) and stop by **Booth 207** to learn about the latest proximity-ligation techniques for genome assembly, metagenomics, and more. **Attend our workshop on Monday, Jan 13th, 2020 from 4:00 PM - 6:00 PM in the San Diego Room.** Food and drinks will be provided at our workshop. Have a project in mind? Schedule a meeting with us to talk one-on-one!

Workshop

Schedule Meeting

**Featured Workshop Speakers at PAG 2020**

## PRESENTATIONS AT PAGXXVIII

Speaker	Institution	Date	Time	Title
<b>Fritz J. Sedlazeck</b>	Baylor College of Medicine	1/13/20	4:00	Why so Pale and Wan: Comparative Genomics Based on a Platinum Cavefish Genome
<b>Stephen Schauer</b>	KeyGene USA	1/13/20	4:20	Translating Innovations in Reference Genome Phasing into Crop Improvement
<b>Benjamin Auch</b>	University of Minnesota Genomics Center	1/13/20	4:40	It Came from Planet Earth: The Genome of the Aquatic Invasive Zebra Mussel, <i>Dreissena polymorpha</i>
<b>Cristian Gallardo-Escárate</b>	(INCAR), University of Concepción	1/13/20	5:00	Free Two Birds with One Key: Chromosome Assembly and Metagenomes using Proximity-Ligation in the Sea Louse <i>Caligus rogercresseyi</i>
<b>Derek M. Bickhart</b>	USDA	1/13/20	5:20	Assignment of Virus and Antimicrobial Resistance Genes to Microbial Hosts in a Complex Microbial Community by Combined Long-Read Assembly and Proximity Ligation
<b>Ivan Liachko</b>	Phase Genomics	1/13/20	5:40	Connecting the Plasmidome, Resistome, and Virome to the Microbiome

Venue: San Diego Room  
Time: 4:00pm - 6:00pm  
\*Food and drinks provided

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