

The Jackson Laboratory

WORKSHOP ON 3D GENOME MAPPING TECHNOLOGY: CHROMATIN INTERACTION ANALYSIS BY PAIRED-END TAG SEQUENCING (CHIA-PET)

jax.org/chia-pet

WHERE & WHEN

JAX Genomic Medicine
10 Discovery Drive
Farmington, CT 06032
Nov. 7-11, 2016

REGISTRATION

\$1400 lecture and
workshop fee
\$700 Lecture only fee

*Registration includes course
materials, lunch*

CONTACT

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Genomes are organized into higher-order structures for function. However, little is known about the molecular details of how chromosomes are organized or the types of structural conformations required for genome function.

ChIA-PET stands for Chromatin Interaction Analysis by Paired-End Tag Sequencing. It is unique in that it can identify genome-wide long-range chromatin interactions mediated by a protein of interest. Specifically, the data captured can reveal novel gene regulatory mechanisms including enhancer-to-promoter contacts.

This workshop is a 5-day, interactive training course covering critical experimental aspects of sample preparation and ChIA-PET library construction. We have also arranged relevant talks by experts in the field of 3D genome biology to discuss various current topics in mapping technologies, computational analysis, and biological applications.

SCHOLARSHIPS AVAILABLE

COURSE ORGANIZERS

Yijun Ruan, Ph.D., JAX Genomic Medicine
Ping Wang, Ph.D., JAX Genomic Medicine

GUEST SPEAKERS

Paul Blainey, Ph.D., Broad Institute at M.I.T.
Rafael Casellas, Ph.D., National Institutes of Health, NCI
Denes Hnisz, Ph.D., Whitehead Institute for Biomedical Research at M.I.T.
Doug Phanstiel, Ph.D., Stanford Medicine
Dariusz Plewczynski, Ph.D., D.Sc., University of Warsaw
Feng Yue, Ph.D., Penn State
Ting Wang, Ph.D. Washington University

We'd love to see you here.

For more information, visit jax.org/chia-pet