



Workshop on Long-Read Sequencing

at The Jackson Laboratory for Genomic Medicine, Farmington, CT

June 23 - 26, 2020

EVENT SCHEDULE

Tuesday, June 23

- 8:00 AM Registration Opens
- 8:30 AM **Introduction to Long-Read Sequencing Technologies**
Jeremy Charette, B.S., The Jackson Laboratory
- 9:30 AM **Extracting High Molecular Weight DNA**
Jeremy Charette, B.S., The Jackson Laboratory
- 12:00 PM **Lunch & Presentation**
Kyle Luttgarm, Ph.D., Agilent Technologies
- 1:00 PM **Long-Read Library Preparations & PacBio Express Iso-Seq Library Preparation**
Chris Kuhlberg, M.S., The Jackson Laboratory
- 3:00 PM Coffee Break
- 3:15 PM **Sequencing Overview & Oxford Nanopore Rapid DNA Preparation and Sequencing**
Jennifer Idol, M.S., The Jackson Laboratory
- 5:15 PM Dinner

Wednesday, June 24

- 8:15 AM Registration Opens
- 9:00 AM **Welcome**
Rachel Goldfeder, Ph.D., The Jackson Laboratory

Session 1 – Keynote

- 9:15 AM Evan Eichler, Ph.D., University of Washington

Session 2 – Personal to Population-Scale Genomes

- 10:00 AM Michael Snyder, Ph.D., Stanford University
- 10:20 AM Tina Graves-Lindsay, M.S., Washington University in St. Louis
- 10:40 AM Charles Lee, Ph.D., The Jackson Laboratory
- 11:00 AM Coffee Break

Session 3 – Dark Matter of the Human Genome

- 11:40 AM Barbara Mellone, Ph.D., University of Connecticut
- 12:00 PM Karen Miga, Ph.D., University of California, Santa Cruz
- 12:20 PM Ting Wang, Ph.D., Washington University in St. Louis
- 12:40 PM Lunch

Session 4 – Transcriptomics

- 1:40 PM Hagen Tilgner, Ph.D., Weill Cornell Medicine
- 2:00 PM Jianhua Luo, M.D., Ph.D., University of Pittsburgh
- 2:20 PM Liz Tseng, Ph.D., Pacific Biosciences
- 2:40 PM Quentin Gouil, Ph.D., Walter and Eliza Hall Institute of Medical Research
- 3:00 PM Coffee Break

Session 5 – Cancer

- 3:30 PM Mike Schatz, Ph.D., Johns Hopkins University
- 3:50 PM Chia-Lin Wei, Ph.D., The Jackson Laboratory
- 4:10 PM Richard Koche, Ph.D., Memorial Sloan Kettering Cancer Center
- 4:30 PM Poster Session & Sponsor Exhibition

Thursday, June 25

Session 6 – Sample Prep

- 9:00 AM TBD, New England Biolabs
- 9:20 AM Miten Jain, Ph.D., University of California, Santa Cruz
- 9:40 AM Chris Boles, Ph.D., Sage Sciences
- 10:00 AM Kelvin Liu, Ph.D., Circulomics, Inc.
- 10:20 AM Coffee Break

Session 7 – Computational Biology

- 11:00 AM Adam Phillippy, Ph.D., National Institutes of Health
- 11:20 AM Fritz Sedlazeck, Ph.D., Baylor College of Medicine
- 11:40 AM Justin Zook, Ph.D., National Institute of Standards and Technology

Session 8 – Selected Abstracts

- 12:00 PM TBD
12:15 PM TBD
12:30 PM TBD
12:45 PM Lunch with Women in Science Network

Session 9 – Epigenomics & Epitranscriptomics

- 1:45 PM Winston Timp, Ph.D., Johns Hopkins University
2:05 PM Sheng Li, Ph.D., The Jackson Laboratory
2:25 PM Kin Fai Au, Ph.D., Ohio State University

Session 10 – Microbiome

- 2:45 PM Eric Brown, Ph.D., Food and Drug Administration
3:05 PM Ami Bhatt, M.D., Ph.D., Stanford University
3:25 PM Mark Adams, Ph.D., The Jackson Laboratory
3:45 PM Coffee Break

Session 11 – Long-Reads in the Clinic

- 4:15 PM Steve Lincoln, B.S., InVita
4:35 PM Melissa Smith, Ph.D., Mount Sinai
4:55 PM Peter Robinson, M.D., M.Sc., The Jackson Laboratory

Session 12 – Closing Keynote

- 5:15 PM TBD
6:15 PM Closing Celebration & Dinner

Friday, June 26

Optional Day 4A – Bioinformatics Analysis Tutorial

- 9:00 AM – 3:30 PM Hands-on tutorials and small projects: considerations for processing ONT and PacBio data (SV detection, de novo assembly, isoform identification)

Optional Day 4B – Hands-on Wetlab Tutorial

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- 3:30 PM **Podium Presentations**
- 4:30 PM **Poster Session & Sponsor Exhibition**
With wine, cheese, and appetizers
- 6:00 PM Dinner on your own